ENTERED

safety-kleen.

Rec'd 7/31 SKPL

OVERNIGHT DELIVERY
RETURN RECEIPT REQUESTED

July 27, 2001

Mr. Roland Rocha
State of New Mexico Environment Department
Hazardous Waste Bureau
377 ABW/EM, Room 124
Kirkland AFB, New Mexico 87117-5270

Re: RCRA Permit Application Renewal, Safety-Kleen Systems, Inc. Service Center, Albuquerque, New Mexico (NMD 000804294)

Dear Mr. Rocha:

Safety-Kleen Systems, Inc. (S-K) operates a service center in Albuquerque, New Mexico (2720 Girard NE) for temporary accumulation and storage of hazardous wastes, prior to transporting offsite for reclamation, treatment or disposal. The existing RCRA Permit expires on January 29, 2002.

Enclosed with this letter are three copies of the RCRA Permit Application for storage of hazardous wastes. This permit application was based on the previous approved application and modifications. The permit application was also prepared in accordance with applicable State and Federal regulations.

S-K appreciates your assistance with this permit application. If you have any questions, please contact me at 480-961-0285 or Brian Culnan of TriHydro Corporation at 307-745-7474.

Sincerely,

for Dan Czecholinski
Environmental Compliance Manager

023-001

Enclosures

cc: Mike Crawford
Steve LuQuire
TriHydro Corporation

PROJECT 023-001

STORAGE FACILITY

PERMIT APPLICATION

SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER

ALBUQUERQUE, NEW MEXICO

NMD 000804294

January 29, 1992

Revised: September, 1994

Revised: July 25, 1996

Permit Renewal Application: July 27, 2001

Prepared for:

Safety-Kleen Systems, Inc.

by:

TriHydro Corporation
920 Sheridan Street
Laramie, Wyoming 82070

CERTIFICATION STATEMENT

Albuquerque, New Mexico Service Center

NMD 000804294

The undersigned, being an authorized representative of Safety-Kleen Systems, Inc. the permit applicant, certifies under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Mike Crawford

Mike Crawford
Branch Manager

7/23/01
Date

ATTESTATION

The undersigned, attesting witness to the Certification Statement and this document dated July 27, 2001, of which this affidavit is a part, states that I am personally responsible for the preparation of the document, that I personally gathered or reviewed the information contained herein, and further that the information, to the best of my knowledge and belief is true, accurate, and complete.

Dan Czecholinski
Environmental Compliance Manager

7/24/01
Date

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F-2 EMERGENCY EQUIPMENT LIST, LOCATION PLAN AND EVACUATION PLAN

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Please print or type with ELITE type (12 characters per inch) in the unshaded areas only

Form Approved. OMB No. 2050-0034 Expires 9-30-96
GSA No. 0246-EPA-OT

EPA

Hazardous Waste Permit Application Part A

I.D. Number	NMD 000804294
Secondary I.D. Number (if applicable)	
Name of Facility	SAFETY-KLEEN SYSTEMS INC.
Facility Location Street Number	2720 GIRARD BLVD NE
Street (continued)	
City or Town	ALBUQUERQUE
State	NM
Zip Code	87107 - 1846
County Code	
County Name	BERNALILLO
Land Type	P
Geographic Location Latitude	35 6 44N
Longitude	106 36 46W
Facility Existence Date Month	3
Day	1
Year	1977
Facility Mailing Address Street or P.O. Box	2720 GIRARD BLVD NE
City or Town	ALBUQUERQUE
State	NM
Zip Code	87101 - 1846
Facility Contact Person to be contacted regarding waste activities at facility Name (last)	CRAWFORD
First	MIKE
Title	BRANCH MANAGER
Phone Number (area code and number)	505 - 884 - 2277
Facility Contact Address (See instructions) Address	X
Street or P.O. Box	2720 GIRARD BLVD
City or Town	ALBUQUERQUE
State	NM
Zip Code	87107 - 1846

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EPA I.D. Number (enter from page 1)	Secondary ID Number (enter from page 1)
NMD 000804294	

VII. Operator Information (see instructions)

Name of Operator			
SAFETY-KLEEN SYSTEMS INC.			
Street or P.O. Box			
2720 GIRARD BLVD NE			
City or Town	**State**	**Zip Code**	
ALBUQUERQUE	NM	87107 - 1846	

Phone Number (area code and number)	B. Operator Type	C. Change of Operator Indicator	Date Changed Month/Day/Year
505 - 884 - 2277	P	Yes [ ] No [X]	

VIII. Facility Owner (see instructions)

Name of Facility's Legal Owner			
SAFETY-KLEEN SYSTEMS, INC.			
Street or P.O. Box			
1301 GERVAIS STREET			
City or Town	**State**	**Zip Code**	
COLUMBIA	SC	29201 -	

Phone Number (area code and number)	B. Owner Type	C. Change of Owner Indicator	Date Changed Month/Day/Year
803 - 933 - 4200	P	Yes [ ] No [X]	

IX. SIC Codes (4-digit, in order of significance)

Primary	Secondary
7389 (description) Business Services, N.E.C.	5172 (description) Petroleum Product Wholesale
Secondary	**Secondary**
5084 (description) Industrial Mach. & Equip.	5013 (description) Auto Parts and Supplies

X. Other Environmental Permits (see in

A. Permit Type (Enter code)	B. Permit Number	C. Description

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EPA I.D. Number (enter from page 1)	Secondary ID Number (enter from page 1)
NMD 000804294	

Safety-Kleen is an international, service-oriented company whose customers are primarily engaged in automotive repair, industrial maintenance, and dry cleaning. The company, in operation since 1968, offers solvent collection and reclamation services to customers nationwide. The Albuquerque Service Center is a service branch which leases and services Safety-Kleen parts cleaning equipment and solvents to Safety-Kleen customers. The service branch also collects spent parts washer solvent, spent immersion cleaner, dry cleaning wastes (perchloroethylene), paint waste/lacquer thinner, photo/imaging wastes and spent industrial solvents. Once a sufficient quantity of materials is collected, the materials are transported to a recycle center, contract reclaimer or other permitted facility for treatment and/or disposal.

XII. Process - Codes and Design Capacities

A. PROCESS CODE - *Enter the code from the list of process codes below that best describes each process to be used at the facility. Thirteen lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. For "other" processes (i.e., D99, S99, T04, and X99), describe the process (including its design capacity) in the space provided in Item XIII.*

B. PROCESS DESIGN CAPACITY - *For each code entered in Column A, enter the capacity of the process.*

1. AMOUNT - *Enter the amount. In a case where design capacity is not applicable (such as in a closure/post-closure or enforcement action) enter the total amount of waste for that process.*
2. UNIT OF MEASURE - *For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.*

C. PROCESS TOTAL NUMBER OF UNITS - *Enter the total number of units used with the corresponding process code.*

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
	Disposal	
D79	Injection Well	Gallons; Liters; Gallons Per Day; or Liters Per Day
D80	Landfill	Acre-feet of Hectare-meter
D81	Land Application	Acres of Hectares
D82	Ocean Disposal	Gallons Per Day or Liters Per Day
D83	Surface Impoundment	Gallons or Liters
D99	Other Disposal	Any unit of measure listed below
	Storage	
S01	Container (barrel, drum, etc.)	Gallons or Liters
S02	Tank	Gallons or Liters
S03	Waste Pile	Gallons or Liters
S04	Surface Impoundment	Gallons or Liters
S05		
S06	Containment Building-Storage	Cubic Yards or Cubic Meters
S99	Other Storage	Any Unit of Measure Listed Below
	Treatment	
T01	Tank	Gallons Per Day or Liters Per Day
T02	Surface Impoundment	Gallons Per Day or Liters Per Day
T03	Incinerator	Short Tons Per Hour; Metric Tons Per Hour; Gallons Per Hour; Liters Per Hour; or BTU's Per Hour
T04	Other Treatment	Gallons Per Day; Liters Per Day Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T80	Boiler	Gallons or Liters
T81	Cement Kiln	Gallons Per Day; Liters Per Day Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day; Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T82	Lime Kiln	
T83	Aggregate Kiln	
T84	Phosphate Kiln	
T85	Coke Oven	
T86	Blast Furnace	
T87	Smelting, Melting, Or Refining Furnace	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
T88	Titanium Dioxide Chloride Process Oxidation Reactor	
T89	Methane Reforming Furnace	
T90	Pulping Liquor Recovery Furnace	
T91	Combustion Device Used in the Recovery of Sulfur Values From Spent Sulfuric Acid	
T92	Halogen Acid Furnaces	
T93	Other Industrial Furnaces Listed In 40 CFR §260.10	
T94	Containment Building-Treatment	
	Miscellaneous (Subpart X):	
X01	Open Burning/Open Incineration	Any Unit of Measure Listed Below
X02	Mechanical Processing	Short Tons Per Hour; Metric Tons Per Hour; Short Tons Per Day; Metric Tons Per Day; Pounds Per Hour; or Kilograms Per Hour
X03	Thermal Unit	Gallons Per Day; Liters Per Day; Pounds Per Hour; Short Tons Per Hour; Kilograms Per Hour; Metric Tons Per Day Metric Tons Per Hour; Short Tons Per Day; or Btu's Per Hour
X04	Geologic Repository	Cubic Yards or Cubic Meters
X99	Other Subpart X	Any Unit of Measure Listed Below

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
Gallons	G	Short Tons Per Hour	D	Cubic Yards	Y
Gallons Per Hour	E	Metric Tons Per Hour	W	Cubic Meters	C
Gallons Per Day	U	Short Tons Per Day	N	Acres	B
Liters	L	Metric Tons Per Day	S	Acre-feet	A
Liter Per Hour	H	Pounds Per Hour	J	Hectares	Q
Liters Per Day	V	Kilograms Per Hour	R	Hectare-meter	F
				Btu's Per Hour	K

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NMD 000804294	

XII. Process - Codes and Design Capacities (continued)

EXAMPLES FOR COMPLETING ITEM XII (shown in line number X-1 below): A facility has a storage tank which can hold 533,788 gallons.

Line Number		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	2. Unit Of Measure (Enter Code)	C. Process Total Number Of Units	For Official Use Only
X	1	S	0	2	533 788	G	001	
	1	S	0	1	16,640	G	003	
	2	S	0	2	12,000	G	001	
	3							
	4							
	5							
	6							
	7							
	8							
	9							
1	0							
1	1							
1	2							
1	3							

NOTE: If you need to list more than 1 process codes, attach an additional sheet(s) with the information in the same format as above. Number the lines sequentially, taking into account any lines that will be used for "other" processes (i.e., D99, S99, T04 and X99) in item XIII.

XIII. Other Processes (Follow instructions from item XII for D99, S99, T04 and X99 process codes)

Line Number (Enter from seq. w/XII)		A. Process Code (From list above)			B. PROCESS DESIGN CAPACITY 1. Amount (Specify)	2. Unit of Measure (Enter Code)	C. Process Total Number Of Units	D. Description of Process
X	1	T	0	4				In-situ Vitrification

NMD 000604294

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

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Description of Hazardous Wastes (continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	D001	600	T	S	0	2							
2	D004												Included with above
3	D005												Included with above
4	D006												Included with above
5	D007												Included with above
6	D008												Included with above
7	D009												Included with above
8	D010												Included with above
9	D011												Included with above
10	D018												Included with above
11	D019												Included with above
12	D021												Included with above
13	D022												Included with above
14	D023												Included with above
15	D024												Included with above
16	D025												Included with above
17	D026												Included with above
18	D027												Included with above
19	D028												Included with above
20	D029												Included with above
21	D030												Included with above
22	D032												Included with above
23	D033												Included with above
24	D034												Included with above
25	D035												Included with above
26	D036												Included with above
27	D037												Included with above
28	D038												Included with above
29	D039												Included with above
30	D040												Included with above
31	D041												Included with above
32	D042												Included with above
33	D043												Included with above

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NMD 000804294	

V. Description of Hazardous Wastes (continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D.1)
3 4	F002	12,000	T	S	0	1							Included with above
3 5	F003												Included with above
3 6	F005												Included with above
3 7	D001												Included with above
3 8	D004												Included with above
4 9	D005												Included with above
4 0	D006												Included with above
4 1	D007												Included with above
4 2	D008												Included with above
4 3	D009												Included with above
4 4	D010												Included with above
4 5	D011												Included with above
4 6	D018												Included with above
4 7	D019												Included with above
5 8	D021												Included with above
5 9	D022												Included with above
5 0	D023												Included with above
5 1	D024												Included with above
5 2	D025												Included with above
5 3	D026												Included with above
5 4	D027												Included with above
5 5	D028												Included with above
5 6	D029												Included with above
5 7	D030												Included with above
5 8	D032												Included with above
6 9	D033												Included with above
6 0	D034												Included with above
6 1	D035												Included with above
6 2	D036												Included with above
6 3	D037												Included with above
6 4	D038												Included with above
6 5	D039												Included with above
6 6	D040												Included with above

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EPA I.D. Number (enter from page 1): NMD 000804294

Secondary ID Number (enter from page 1):

Description of Hazardous Wastes (continued)

Line Number	A. EPA HAZARDOUS WASTE NO. (Enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (Enter code)	D. PROCESSES (1) PROCESS CODES (Enter code)									(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
6 7	D041												Included with above
6 8	D042												Included with above
6 9	D043												Included with above
7 0													
7 1													
7 2													
7 3													
7 4													
7 5													
7 6													
7 7													
7 8													
7 9													
8 0													
8 1													
8 2													
8 3													
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8 9													
9 0													
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9 3													
9 4													
9 5													
9 6													
9 7													
9 8													
9 9													

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NMD 000804294	

XV. Map

Attach to this application a topographic map, or other equivalent map, of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in this map area. See instructions for precise requirements.

XVI. Facility Drawing

All existing facilities must include a scale drawing of the facility (see instructions for more detail).

XVII. Photographs

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

XVIII. Certification(s)

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Owner Signature: Mike Crawford	Date Signed: 7/24/01
Name and Official Title *(type or print)*: Mike Crawford, Branch Manager	
Owner Signature	Date Signed
Name and Official Title *(type or print)*	
Operator Signature: Mike Crawford	Date Signed: 7/24/01
Name and Official Title *(type or print)*: Mike Crawford, Branch Manager	
Operator Signature	Date Signed
Name and Official Title *(type or print)*	

XIX. Comments

***Note:** Mail completed form to the appropriate EPA Regional or State Office. (refer to instructions for more information)*

PHOTOGRAPH 1 :SAFETY-KLEEN SERVICE CENTER, ALBUQUERQUE, NEW MEXICO

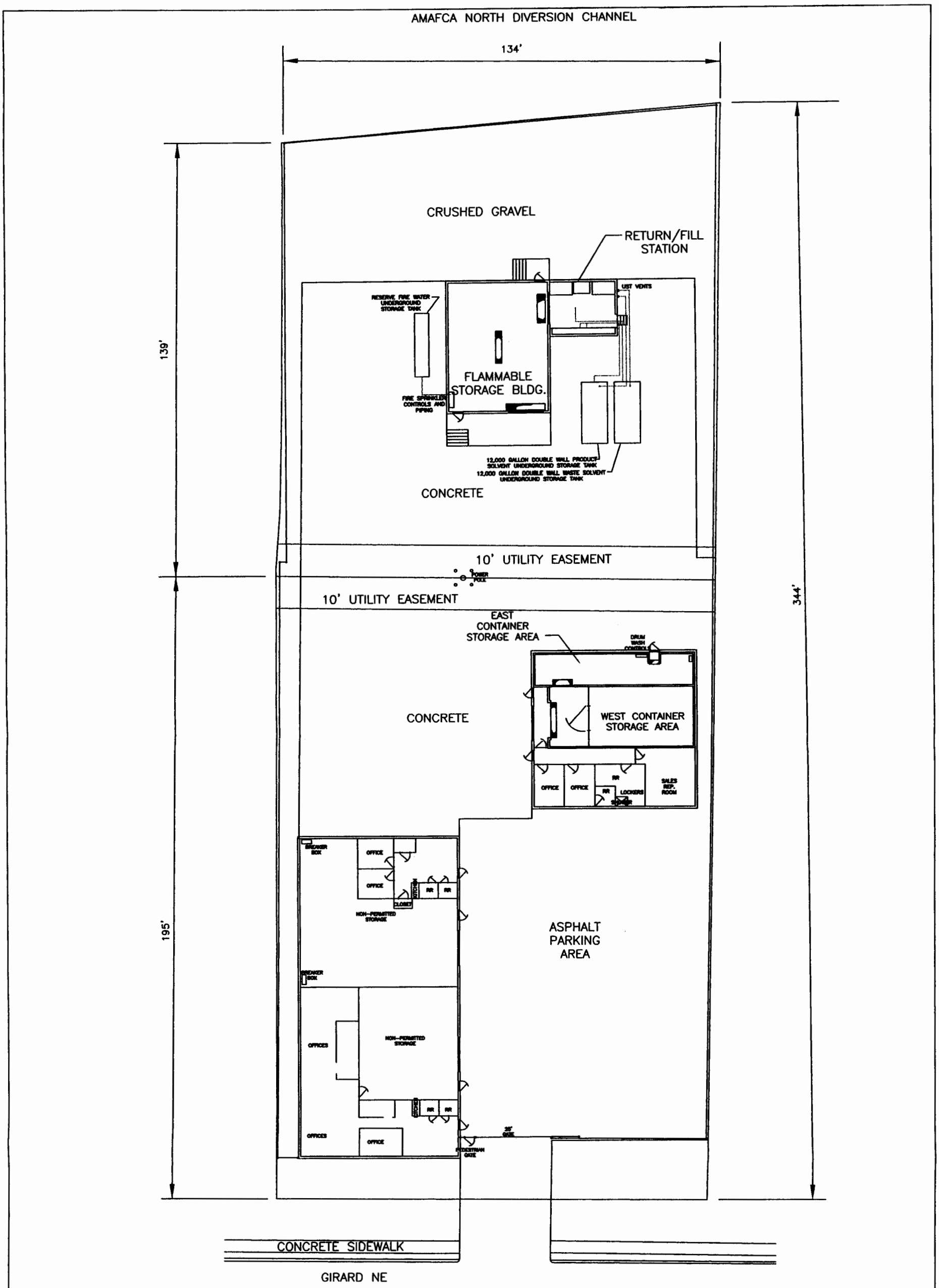
PHOTOGRAPH 2 :ENTRANCE TO WEST CONTAINER STORAGE AREA

PHOTOGRAPH 3 :RETURN/FILL STATION AND LOCATION OF UNDERGROUND STORAGE TANKS

PHOTOGRAPH 4 :INSIDE OF RETURN/FILL STATION SHOWING ELEVATED GRATING AND TWO DRUM WASHERS

PHOTOGRAPH 5 :FLAMMABLE STORAGE BUILDING

PHOTOGRAPH 6 :INSIDE OF FLAMMABLE STORAGE BUILDING



A Trihydro Corporation representative conducted a field inspection to verify construction, equipment, components, dimensions and existing conditions on June 26, 2001. Items inaccessible to visual observation were not field verified during inspection. Notes have been added to document results and/or observed modifications (as appropriate) during the June 26, 2001 inspection.

N

0 30 ft.

SCALE

REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE 1
SITE PLAN
2720 GIRARD NE
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 833-4820

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/02/01	Reference: 023SITE

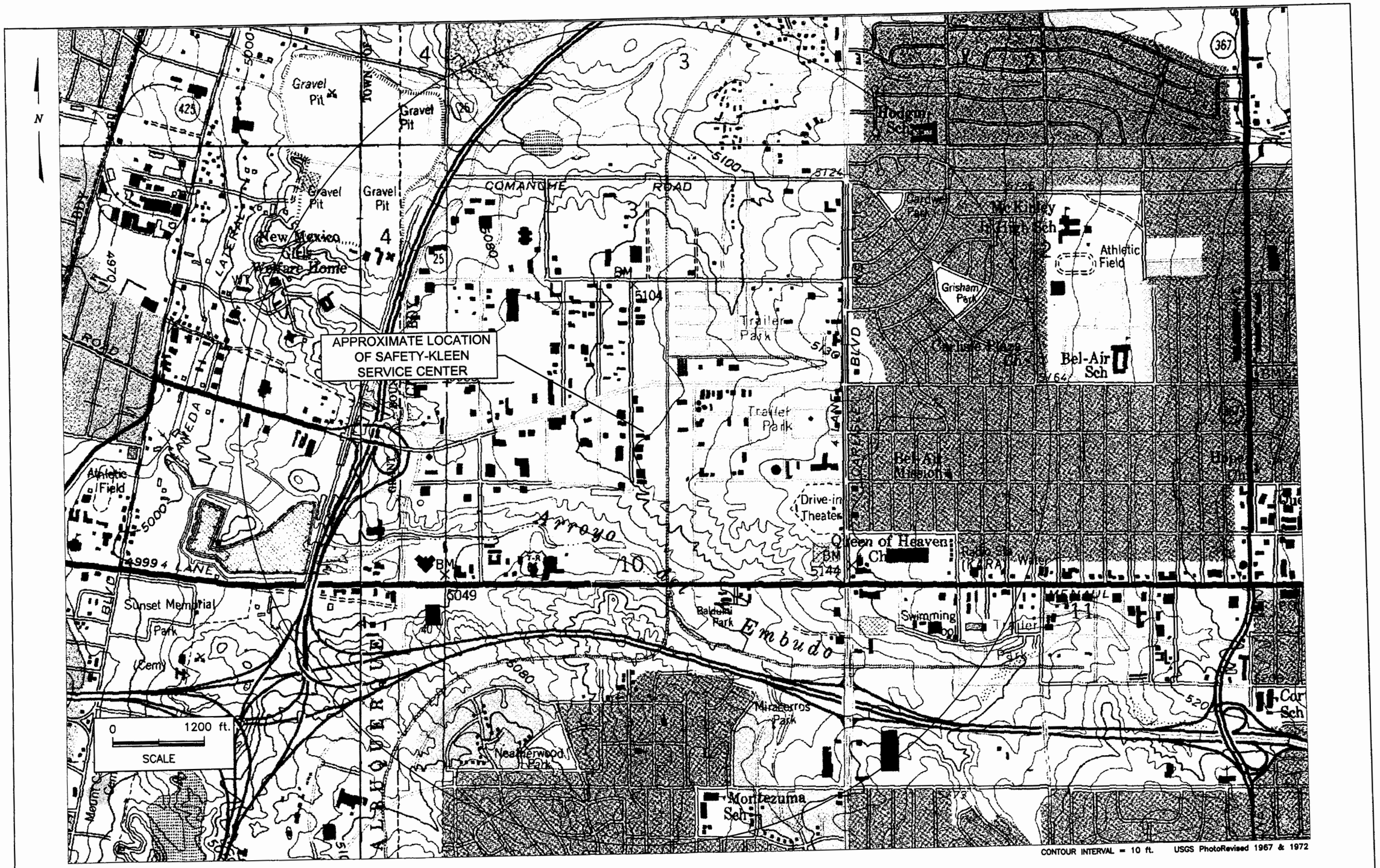


FIGURE 2 :TOPOGRAPHIC MAP, 1 MILE RADIUS, SAFETY–KLEEN SYSTEMS, INC. SERVICE CENTER, ALBUQUERQUE, NEW MEXICO

023USTOPO

1.0 FACILITY DESCRIPTION

ABSTRACT

CORPORATE HEADQUARTERS:	Safety-Kleen Systems, Inc. 1301 Gervais Street Columbia, South Carolina 29201 (803) 933-4200
RESPONSIBLE OFFICIALS:	Mike Crawford Branch Manager
FACILITY ADDRESS:	Safety-Kleen Systems, Inc. 2720 Girard NE Albuquerque, New Mexico 87107
TELEPHONE NUMBER:	(505) 884-2277
U.S. EPA I.D. NUMBER:	NMD 000804294
GEOGRAPHIC LOCATION:	35° 06' 44" N 106° 36' 46" W
OWNER:	Safety-Kleen Systems, Inc. 1301 Gervais Street Columbia, South Carolina 29201 (803) 933-4200
DATE OPERATIONS BEGAN:	March 1, 1977

DESCRIPTION OF ACTIVITIES

This facility is an accumulation point for used solvents generated by Safety-Kleen customers, the majority of whom are small quantity generators. All wastes are ultimately shipped to a Safety-Kleen recycling facility or a contract reclaimer and then returned to the Company's customers as product.

PROPERTY DESCRIPTION: 1.05 acres with the following structures:

a. one building with offices and a warehouse with two areas for container storage;

b. two underground double-walled storage tanks (one for product and one for used solvent)

c. one loading dock with a solvent return and fill station; and

d. one enclosed flammable storage building to be used for container storage.

FACILITY TYPE: Storage in an underground tank (S02) and in containers (S01)

STORAGE UNIT	CAPACITY (GAL.)	SECONDARY CONTAINMENT (GAL.)	MATERIAL TO BE STORED
Tank	12,000	See note 1	Used Solvent (D001) and the codes listed in note 2 below)
West Container Storage Warehouse	4,310	431	Used Immersion Cleaner codes listed in note 2 below) Dry Cleaning Waste (F002 and the codes listed in note 2 below) Used Solvent (and the codes listed in note 2 below) Photo/Imaging Wastes - D011[3]
East Container Storage Warehouse	2,680	268	Used Immersion Cleaner (F002, F004, and the codes listed in note 2 below) Dry Cleaning Waste (F002 and the codes listed in note 2 below) Used Solvent (and the codes listed in note 2 below)
Flammable Storage Building	9,650	965	Paint Waste (D001, F003, F005, and the codes listed in note 2 below), used solvent and dumpster sediment

Notes: 1. Secondary containment consists of a double-walled tank and leak detection system.
2. D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, and D043
3. Photo/Imaging wastes may not be considered a hazardous or solid waste if the hazardous constituent (silver) is reclaimed.

1.0 FACILITY DESCRIPTION

1.1 DESCRIPTION OF BUSINESS ACTIVITY

Safety-Kleen Systems, Inc. is an international service-oriented company whose customers are primarily engaged in automotive repair, industrial maintenance and dry cleaning. The company has been operating since 1968 offering solvent collection and reclamation services for its 400,000 customers, more than 99% of whom generate less than 1000 kilograms (2200 pounds) per month.

Currently, Safety-Kleen offers several services, which involve the accumulation and storage of used solvent at the Albuquerque service center. Periodically, these wastes are shipped from the service center to a Safety-Kleen recycle center or to an independent reclaimer. The wastes are processed and generally are then returned to customers as usable product. Two-thirds of the solvent used by Safety-Kleen customers has been reclaimed with the remainder being purchased from a vendor. A unique feature of the solvent recycling system is that Safety-Kleen retains ownership of the parts cleaning machines and the solvent. This "closed loop" system allows the Company to maintain control of the solvent except when it is in use at the customer's place of business. A description of typical services Safety-Kleen provides its customers is provided below.

1.1.1 Parts Cleaner Service

The original service offered by the Company in 1968 was the parts cleaner service and it remains the primary business activity. This service involves the leasing of a small parts degreasing unit which consists of a sink affixed to a container meeting DOT specifications and contains solvent. On a regularly scheduled basis, a Safety-Kleen service representative cleans and inspects the parts washer machine and replaces the drum of used solvent with one of clean product. Each service representative performs about fifteen of these services per day, collecting the drums of used solvent on a route van.

At the end of each day, the solvent is transferred from the drums to a storage tank at the service center and drums of product are prepared for the next day's services. Used solvents are poured into the dumpster/drum washer in the return and fill station. It is then pumped into the storage tank for used solvent. Periodically a tanker truck is dispatched from one of the recycle centers to deliver a load of clean solvent and collect the used solvent at the service center.

Safety-Kleen also provides an aqueous-based parts washer solvent to its customers. The aqueous-based solvents are also delivered and picked up from customers' locations in containers. Once returned to the service center, containers of used aqueous-based solvents may be poured into the drum washers/dumpsters in the return/fill station and transferred to the waste storage tank, or stored in the original container and placed in the drum storage area. Aqueous-based solvents may also be bulked in larger containers and placed in the drum storage area. Aqueous-based solvents are also processed at a Safety-Kleen recycle center or contract reclaimer, where used aqueous-based solvents are recycled into useable product.

Another type of parts washer, the immersion cleaner, is available for the removal of varnish and gum from such things as carburetors and transmissions. This machine consists of an immersible basket with an agitator affixed to a container meeting DOT specifications. The used solvent remains in the drum after delivery to the service center where it is stored in a contained area of the warehouse. Periodically, a box trailer truck is dispatched from a recycle center to deliver containers of fresh solvent and collect the containers of used immersion cleaner solvent for reclamation.

Safety-Kleen has also established a parts cleaner service for users who own their machines. This service, known as the Customer Owned Machine Service, provides a solvent reclamation service to these customers regardless of machine model. The used solvent is pumped from the customer owned machine to a standard Safety-Kleen container meeting DOT specifications by a Safety-Kleen sales representative. The used solvent is stored in the same manner as the waste solvent collected from the leased parts cleaner machines. The service representative then refills the customer-owned machine with Safety-Kleen solvent via a pump. The waste solvent handling and management procedures from customer-owned machines are consistent with those for Safety-Kleen solvents.

1.1.2 Dry Cleaner Service

In 1984, Safety-Kleen began offering a service for the collection of filter cartridges and still bottoms contaminated with dry cleaning solvents (usually perchloroethylene). These wastes are drummed on the customer's premises and are periodically collected by a service representative. The drummed waste is accumulated in a contained area of the warehouse for shipment to a Safety-Kleen recycle center. About 35% of this waste is returned to dry cleaners as usable product.

1.1.3 Paint Waste Service

In 1986, a paint waste reclamation program was initiated to service automobile body repair businesses. Wastes containing thinners and paints are collected in containers meeting DOT specifications on the customer's premises. The service representative collects these containers and stores them in an enclosed masonry block, flammable storage building which is separate from the office/warehouses. These wastes are periodically shipped to a reclaimer and the regenerated solvent is distributed to Safety-Kleen customers for use as product.

1.1.4 Imaging/Photochemical Service

Imaging waste consists typically of three waste streams. Photo fixer solution is used to etch photo film during processing. This material is characteristic for silver (D011). Safety Kleen is able to recover the hazardous constituent from the photo fixer solution. Used photo developer is an aqueous solution used to neutralize the etching effects of the photo fixer. This material exhibits no hazardous characteristics but may not be discharged into public wastewater treatment system in some communities. Silver collection canisters are sent to a recycle center for silver reclamation. These canisters do not meet the definition of a solid waste per 40 CFR 260.30(c) and are managed as a non-regulated material.

The Imaging/Photochemical wastes are placed in containers at the customer's place of business. Several of these wastes are not considered hazardous or solid wastes because the hazardous constituent may be reclaimed. However, the service representative collects these containers and stores them in the container storage area of the warehouse. The imaging/photochemical wastes are then re-manifested and periodically sent to a Safety-Kleen recycle center, contract reclaimer or other permitted treatment facility.

1.2 DESCRIPTION OF THE FACILITY

The Albuquerque service center has been operating as a storage facility since March 1, 1977. The facility consists of the following structures.

a. 2,500 square foot warehouse with offices, bathrooms, a sales representative room, and two containerized areas (east and west) for drum storage;

b. two 12,000 gallon underground storage tanks for clean and used solvent;

c. a solvent return and fill station with a loading dock; and

d. one enclosed building used for flammable storage.

Descriptions of the surrounding area of the service center follow. Applicable maps and site plans are presented at the end of this section.

1.2.1 Regional Description

The Albuquerque, New Mexico Service Center is located in Barnalillo County about one mile northwest of Carlisle Blvd., and S.R. 40. This area is zoned for manufacturing and, to the best of Safety-Kleen's knowledge, no easements or title, deed or usage restrictions exist which may be in conflict with operations at this site.

Albuquerque is bordered by the 11,000 acre Cibola National Forest to the east and the Canocito Navajo Indian Reservation to the west. The total population of Albuquerque and surrounding areas in Bernalillo, Sandoval, and Valencia counties is about 350,000. The climate in this area is an arid, continental climate. Rainfall varies, but in the vicinity of the service center, average annual precipitation is 7 to 10 inches. Average snowfall is about 10 inches. The average temperature in winter is approximately 38 degrees F and 74 degrees F in Summer. Winds blow from the north in winter and from the south in summer. The average annual wind speed is 9 miles per hour.

Albuquerque is located in the Rio Grande Valley, and is bordered on both sides by mesas rising about 5,000 feet. The elevation at the service center is approximately 5,100 feet. The service center is not within a 100-year flood plain.

The soil in the vicinity of the service center is the Wink Series. These deep, well drained soils are formed in unconsolidated alluvium but have been modified by colian erosion. The

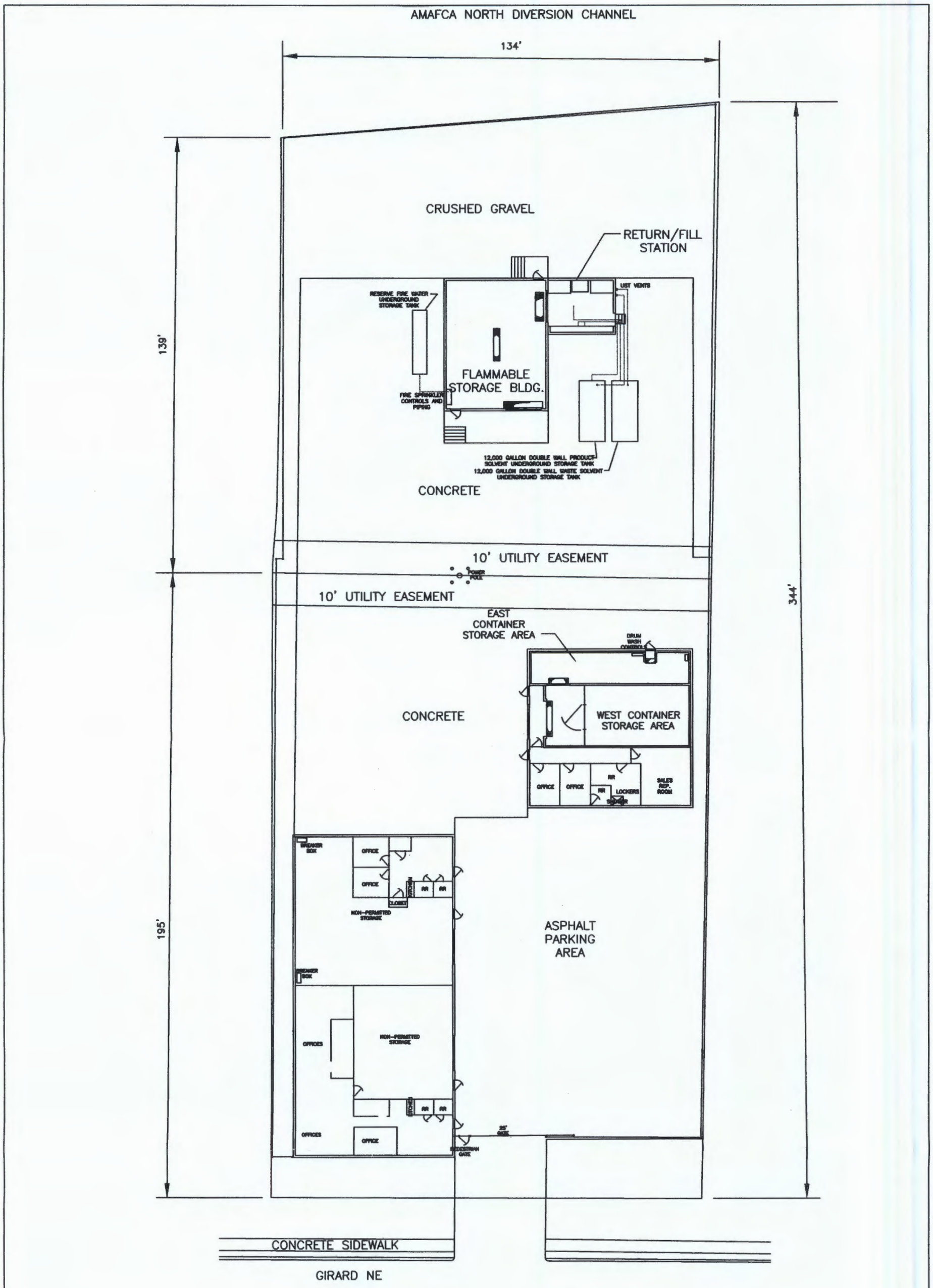
slopes are generally 0 to 1 percent in the area of the service center. The surface layer is a brown, fine sandy loam.

The Albuquerque Service Center receives its water from the City of Albuquerque which also maintains a sanitary sewer line on Girard Boulevard. Drainage in this area is by way of a series of diversion channels. The North Diversion Channel is directly east of the service center.

No known oil or gas wells exist within one quarter mile of the site and it is not located in or near a wetland or critical habitat. No schools, parks or hospitals exist within one quarter mile of the facility.

The non-building areas of the facility are paved with asphalt, gravel or concrete as noted on the site plan (Figure 1). The majority of the vehicular traffic and loading/unloading operations occur at and near the return and fill station and this area is paved with asphalt and concrete. The entrance to the facility is on Girard Boulevard, which is the major access road to the facility. The access road was designed in accordance with engineering criteria appropriate for sustaining the traffic volume and loading for the manufacturing activities in this area. The route vans that daily travel the routes between the service center and its customers use the two-lane approach driveway.

This permit application has been organized using a format similar to the previously approved permit application to maintain consistency. The remaining sections of this permit application (Waste Analysis Plan, Security Measures, Inspection Plan, etc.) are included in attachments A through H. Information relevant to each of the specific attachments is presented at the end of each attachment, and separated by cover pages.



A Trihydro Corporation representative conducted a field inspection to verify construction, equipment, components, dimensions and existing conditions on June 26, 2001. Items inaccessible to visual observation were not field verified during inspection. Notes have been added to document results and/or observed modifications (as appropriate) during the June 26, 2001 inspection.

N

0 30 ft.

SCALE

REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE 1
SITE PLAN
2720 GIRARD NE
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 633-4280

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/02/01	Reference: 023SITE

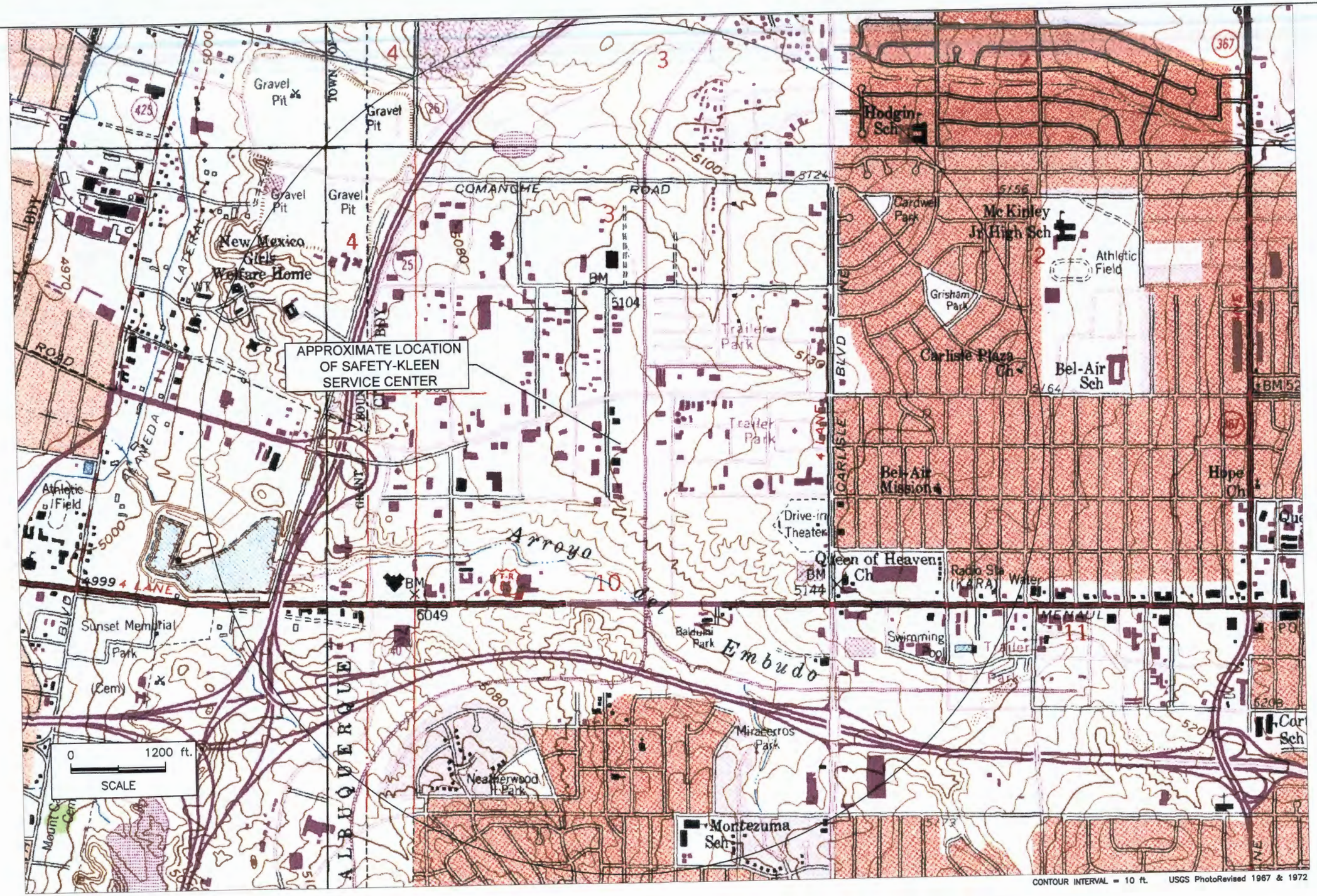
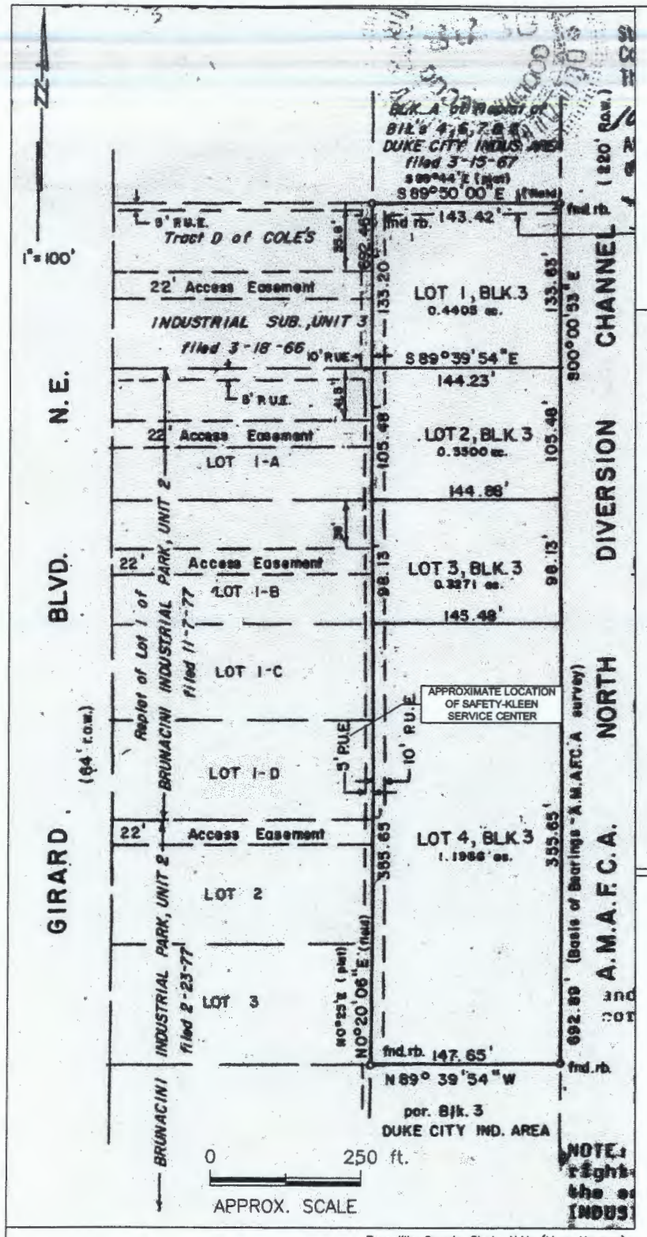


FIGURE 2 :TOPOGRAPHIC MAP, 1 MILE RADIUS, SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER, ALBUQUERQUE, NEW MEXICO

023USTOPO

TO VIEW THE MAP AND/OR MAPS WITH THIS DOCUMENT, PLEASE CALL THE HAZARDOUS WASTE BUREAU AT 505-476-6000 TO MAKE AN APPOINTMENT



Bernalillo County Clerk, N.M. (Mary Herrera)

FREE CONSENT

This Summary Plat is with the free consent of the undersigned owners. The undersigned have represented themselves to have title and acknowledge that this plat is within the covenants and restrictions on on said property.

Arthur F. Reeves, Joan L. Reeves, S-8 Ltd. by Joe Ayer, Benny Sais, Margaret Sais, M. M. Travis, Robert S. Jaffe Sr., Tracy Jaffe, Frank Meadows, Betty Jean Meadows

State of New Mexico)SS
County of Bernalillo)

OFFICIAL SEAL
BONITA SANTISTEVO
NOTARY PUBLIC
STATE OF NEW MEXICO

This instrument was acknowledged before me this 31st day of October

By: Arthur F. Reeves, Joan L. Reeves, S-8 Ltd. by Joe Ayer, Benny Sais, Margaret Sais, M. M. Travis, Robert S. Jaffe Sr., Tracy Jaffe, Frank Meadows, Betty Jean Meadows

Notary Public: Bonita F. Santistevo My commission expires: 2-13-84

APPROVALS for CITY OF ALBUQUERQUE, NM as specified by the Albuquerque Subdivision Ordinance.

Richard Shelle, City Engineer	11/17/80 Date	
Ron P. Elwell, Property Management	11-14-80 Date	
V. Hoy by Ray King, Planning Director	89-80-392 S.P. #	M-16-City ZONE PAGE — 11/17/80 Date

NOTE: Plat amended to show correct easements and addresses to legal.
John Lucas 11-26-80 Planning Dept.

SURVEYOR'S CERTIFICATE

I, Franklin E. Wilson, licensed under the laws of the State of New Mexico, do hereby certify that this plat was prepared by me or under my direction, shows all easements of record, and meets the requirements of the Albuquerque Subdivision Ordinance, and is true and correct to the best of my knowledge and belief.

Franklin E. Wilson, NMLS #6446 — 10/30/80 Date

STATE OF NEW MEXICO REGISTERED LAND SURVEYOR 6446 FRANKLIN E. WILSON

Prepared by: SOUTHWEST SURVEYING CO., INC.
215 Marble NW, Alb. NM, 87102
(505) 843-6646

AMENDED

SUMMARY PLAT OF
LOTS 1, 2, 3 and 4, BLOCK 3
DUKE CITY INDUSTRIAL AREA
(FORMERLY A PORTION OF PARCEL N-18-1a of A.M.A.F.C.A.
NORTH DIVERSION CHANNEL)
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

LEGAL DESCRIPTION

A certain parcel of land situate in the Southwest quarter (SW¼) of the Northeast quarter (NE¼) of Section 10, Township 10 North, Range 3 East, N.M.P.M., within the City Limits of the City of Albuquerque, Bernalillo County, New Mexico, which is identified as a portion of Block numbered THREE (3) of DUKE CITY INDUSTRIAL AREA, an Addition to the City of Albuquerque, New Mexico, as shown on the plat of said Addition, filed in the office of the County Clerk of Bernalillo County, New Mexico, on March 28, 1962; and which is more particularly described by metes and bounds as follows:
BEGINNING at the Northwest corner of the tract herein described, said corner being the same as the Northwest corner of said Block numbered THREE (3); thence S89deg. 50'00" E, 143.42 feet to the Northeast corner, being a point on the new West right-of-way of the A.M.A.F.C.A. North Diversion Channel; thence S00deg. 00'53" E, 692.89 feet along said right-of-way to the Southeast corner; thence N89deg. 39'54" W, 147.65 feet to the Southwest corner; thence N00deg. 20'06" E, 692.46 feet, along the East boundary of BRUNACINI INDUSTRIAL PARK, UNIT 2, and along Tr. D, COLES INDUSTRIAL PARK, UNIT 3, to the Northwest corner and point of beginning and containing 2.3142 acres.
(This parcel was formerly a part of the land acquired for the A.M.A.F.C.A. North Diversion Channel right-of-way known as a portion of Parcel N-18-1a. It has now been vacated and sold by A.M.A.F.C.A.

NOTE: The basis of bearings of this survey is the A.M.A.F.C.A. right-of-way survey. The northerly boundary of this tract is the same as the southerly boundary of BLOCK "A" of DUKE CITY INDUSTRIAL (filed 3-15-67). The Westerly boundary of this tract is the same as the Easterly boundary of BRUNACINI INDUSTRIAL PARK, UNIT 2, (filed 2-23-77) and tract D, COLES INDUSTRIAL PARK, SUBDIVISION UNIT 3, (filed 3-18-66).

FIGURE 4 :ADJACENT PROPERTY PLAT MAP, SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER, 2720 GIRARD NE, ALBUQUERQUE, NEW MEXICO

023PLAT

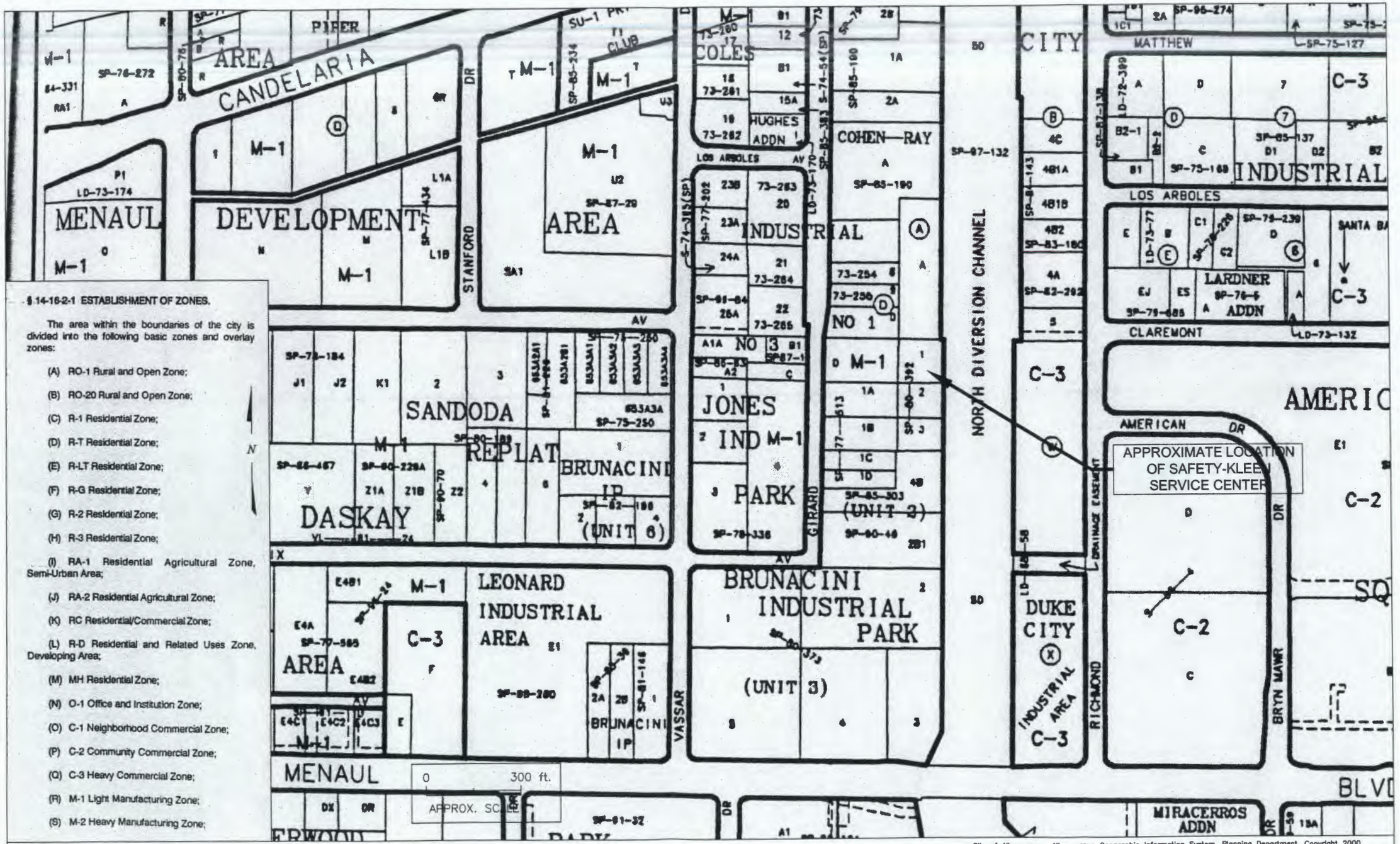
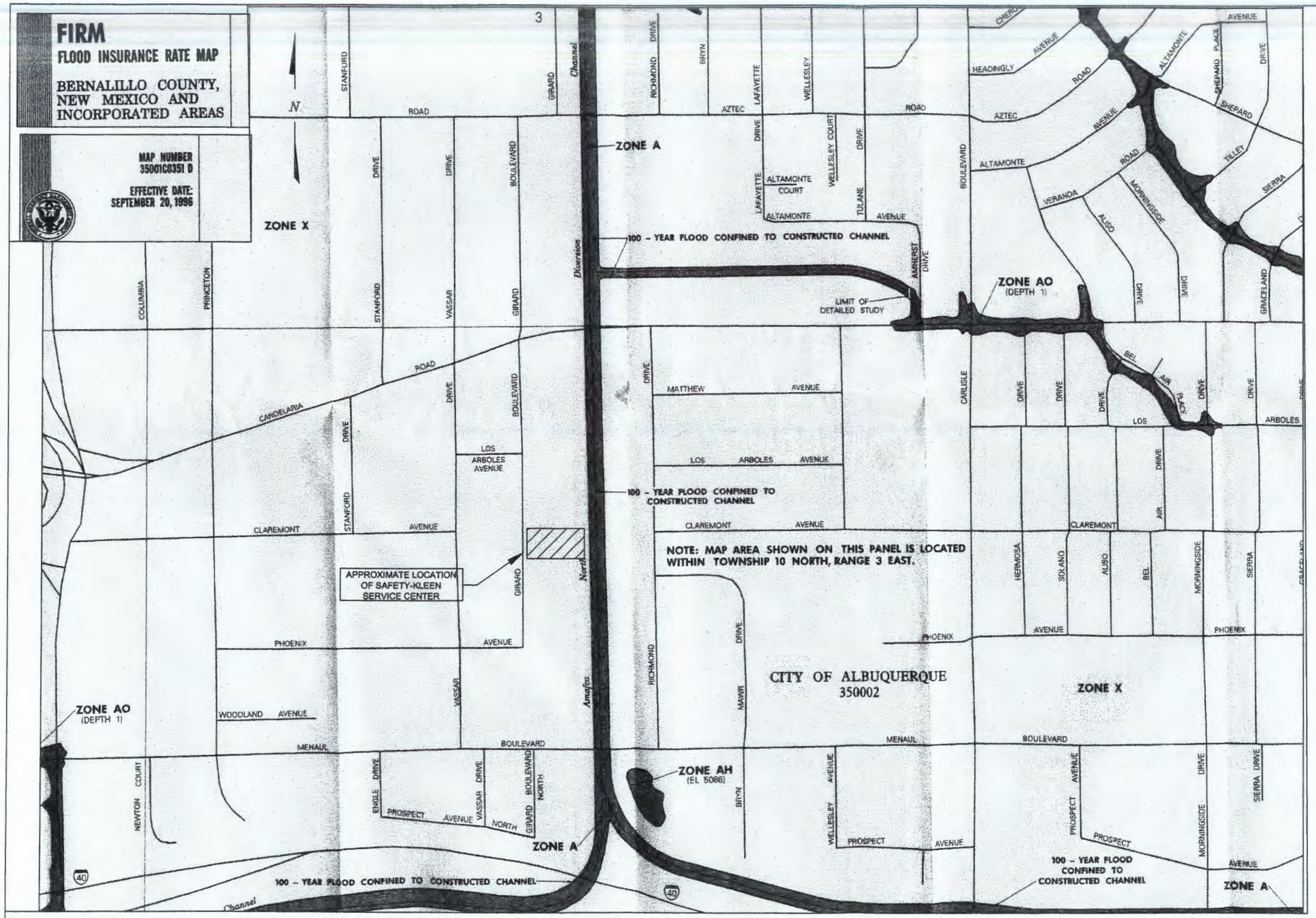


FIGURE 5 :ZONING MAP, SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER, 2720 GIRARD NE, ALBUQUERQUE, NEW MEXICO

023ZONING



0 600 ft.
APPROX. SCALE

National Flood Insurance Program, Flood Insurance Rate Map, Panel 351 of 825 (September 20, 1996)

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

- **ZONE A** No base flood elevations determined.
- **ZONE AE** Base flood elevations determined.
- **ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
- **ZONE AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- **ZONE A99** To be protected from 100-year flood by Federal flood protection system under construction; no base elevations determined.
- **ZONE V** Coastal flood with velocity hazard (wave action); no base flood elevations determined.
- **ZONE VE** Coastal flood with velocity hazard (wave action); base flood elevations determined.

FLOODWAY AREAS IN ZONE AE

OTHER FLOOD AREAS

- **ZONE X** Areas of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 100-year flood.

OTHER AREAS

- **ZONE X** Areas determined to be outside 500-year floodplain.
- **ZONE D** Areas in which flood hazards are undetermined.

UNDEVELOPED COASTAL BARRIERS

Identified 1983 | Identified 1990 | Otherwise Protected Areas

Coastal barrier areas are normally located within or adjacent to Special Flood Hazard Areas.

Flood Boundary

Floodway Boundary

Zone D Boundary

Boundary Dividing Special Flood Hazard Zones, and Boundary Dividing Areas of Different Coastal Base Flood Elevations Within Special Flood Hazard Zones.

513 — Base Flood Elevation Line; Elevation in Feet. See Map Index for Elevation Datum.

D — D (EL 987) — Cross Section Line

Base Flood Elevation in Feet Where Uniform Within Zone. See Map Index for Elevation Datum.

RM7 × — Elevation Reference Mark

• M2 — River Mile

97°07'30", 32°22'30" — Horizontal Coordinates Based on North American Datum of 1927 (NAD 27) Projection.

NOTES

This map is for use in administering the National Flood Insurance Program; it does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size, or all planimetric features outside Special Flood Hazard Areas.

Coastal base flood elevations apply only landward of 0.0 NGVD, and include the effects of wave action; these elevations may also differ significantly from those developed by the National Weather Service for hurricane evacuation planning.

Areas of Special Flood Hazard (100-year flood) include Zones A, AE, AH, AO, A99, V, and VE.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the Federal Emergency Management Agency.

Floodway widths in some areas may be too narrow to show to scale. Floodway widths are provided in the Flood Insurance Study Report.

This map may incorporate approximate boundaries of Coastal Barrier Resource System Units and /or Otherwise Protected Areas established under the Coastal Barrier Improvement Act of 1990 (PL 101-591).

Corporate limits shown are current as of the date of this map. The user should contact appropriate community officials to determine if corporate limits have changed subsequent to the issuance of this map.

For community map revision history prior to countywide mapping, see Section 6.0 of the Flood Insurance Study Report.

For adjoining map panels and base map source see separately printed Map Index.

FIGURE 6 :100 YEAR FLOOD PLAIN MAP, SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER, 2720 GIRARD NE, ALBUQUERQUE, NEW MEXICO

023FLOODPLN

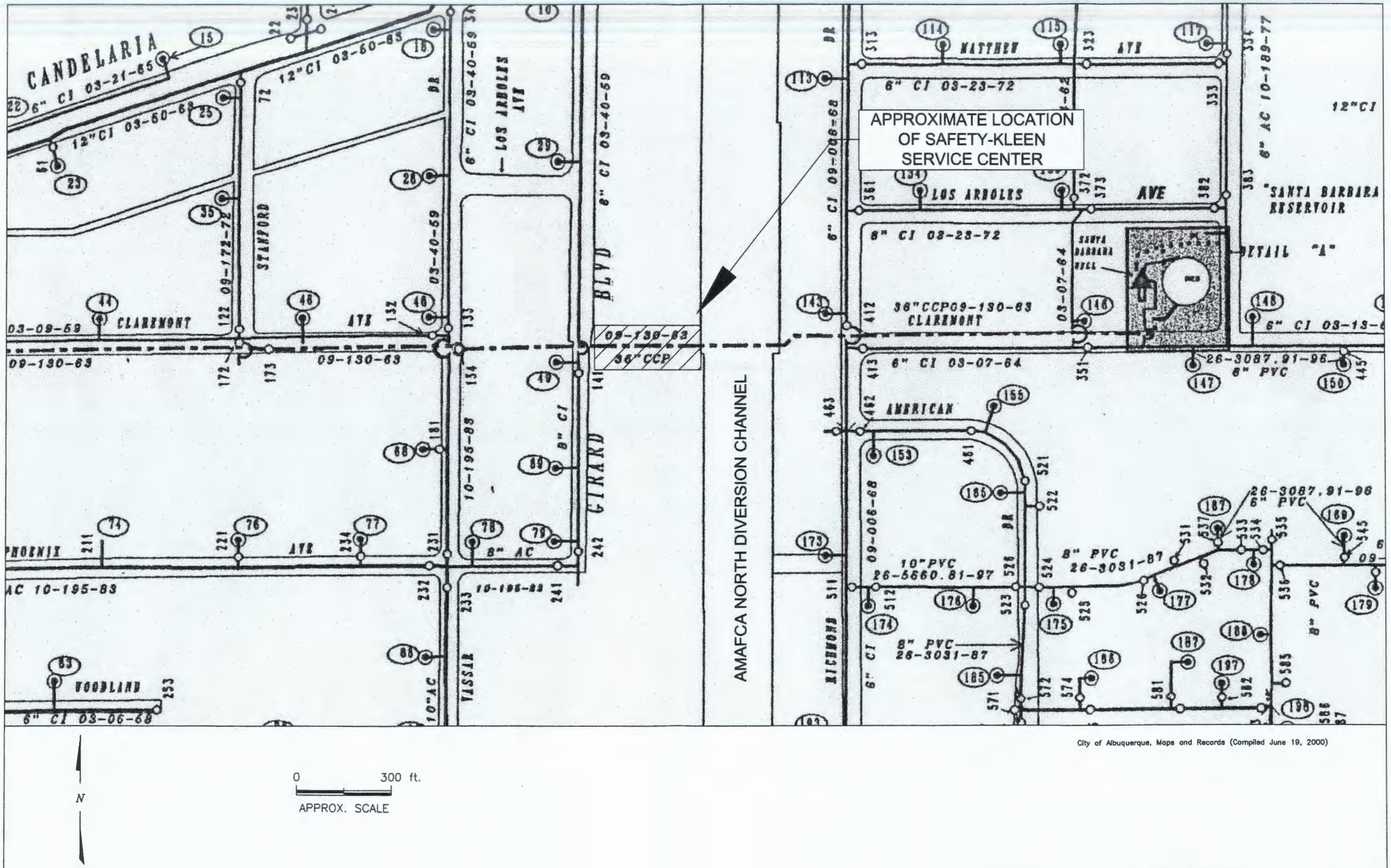
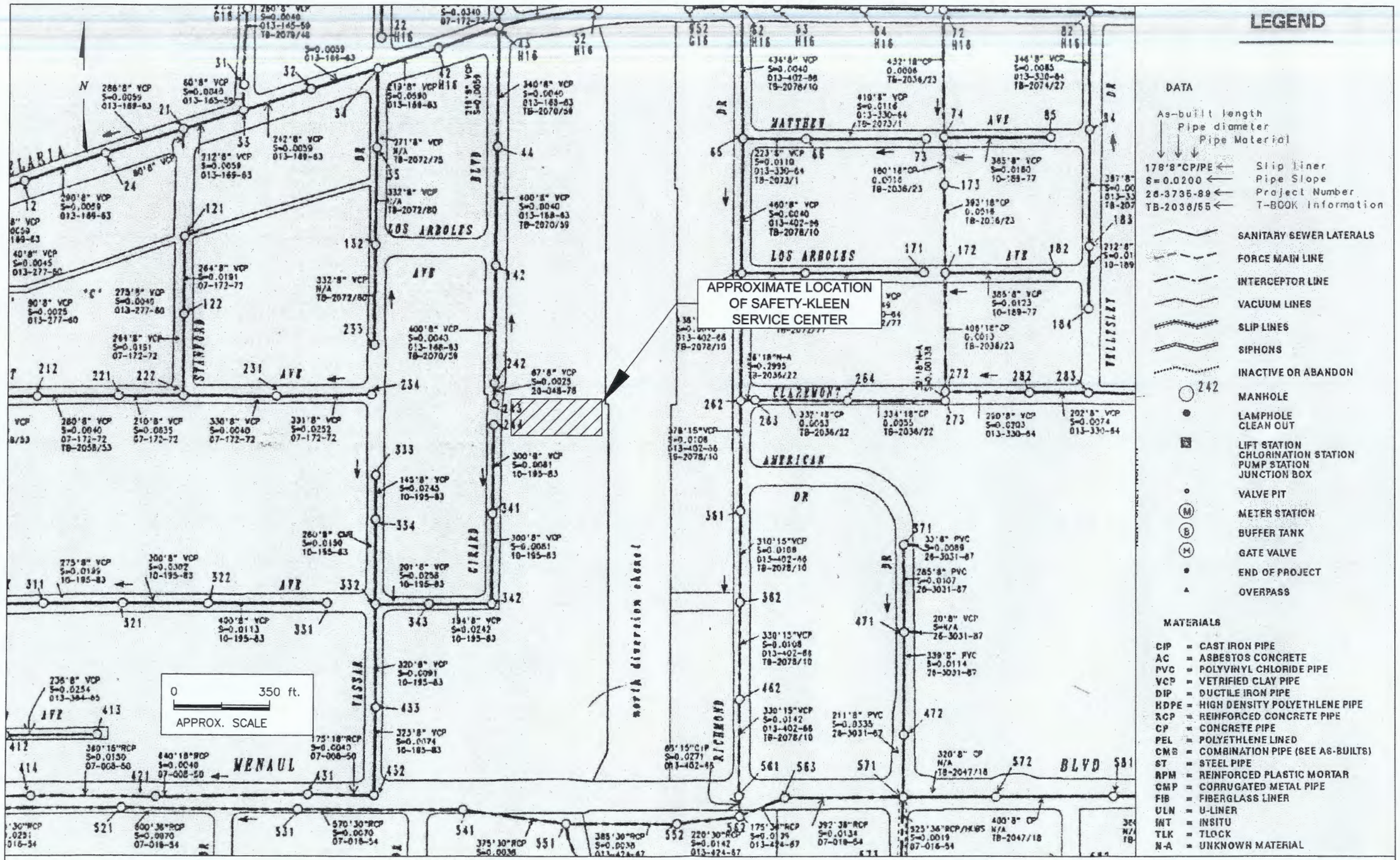


FIGURE 7 :DRINKING WATER SUPPLY MAP, SAFETY-KLEEN SYSTEMS, INC. SERVICE CENTER, 2720 GIRARD NE, ALBUQUERQUE, NEW MEXICO

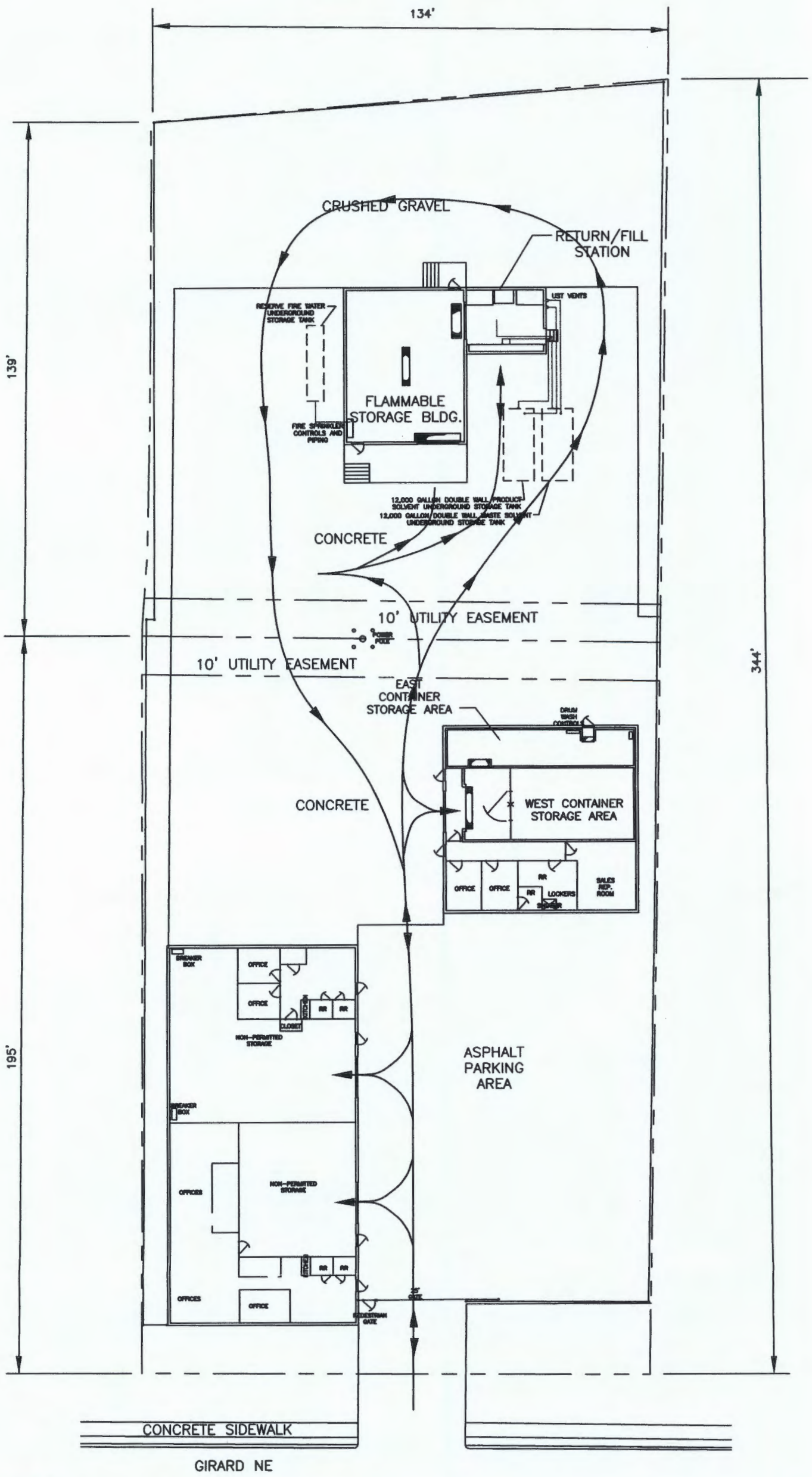
023WTRSUPPLY



City of Albuquerque, Maps and Records, Compiled July 10, 2000

FIGURE 8 :SANITARY SEWER SUPPLY MAP, SAFETY–KLEEN SYSTEMS, INC. SERVICE CENTER, 2720 GIRARD NE, ALBUQUERQUE, NEW MEXICO

023SANSEWER



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N

0 30 ft.

SCALE

REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE 9
TRAFFIC FLOW PATTERN
2720 GIRARD NE,
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4200

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/20/01	Reference: 023SITE

ATTACHMENT A

WASTE ANALYSIS PLAN

WASTE ANALYSIS PLAN

ABSTRACT

Waste Description	EPA Waste Code No.	Facility Capacity[1] (gallons)	Annual Amount[2]
Used Solvents	D001[3]	12,000	143
Tank/Dumpster Bottom Sediment	D001[3]	N/A	3
Used Immersion Cleaner	See Below[3]	6,990	3
Dry Cleaning Waste	F002[3]	Included with Used Immersion Cleaner	6
Used Solvent (aqueous)	See Below[3]	Included with Used Immersion Cleaner	3
Paint Waste	D001, F003, F005[3]	9,650	14
Photo Chemical Wastes	D011	Included with Used Immersion Cleaner	3

[1] The facility capacity is in gallons.

[2] The annual amount is in thousands of gallons.

[3] and may include D004, D005, D007, D008, D009, D010, D011, D018. D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, D043.

WASTE ANALYSIS PLAN

A.1 DESCRIPTION OF WASTES

Several types of waste result from the servicing of Safety-Kleen customers and the maintenance of the service center. It should be noted that the solvents managed at this facility are incompatible with strong oxidizers and reactive metals, none of which are present in the containers, container storage area, or the concrete sealant. The solvents are also compatible with one another. Analytical data for the wastes and specifications for the products are in Attachment A-1 and qualitative descriptions follow.

A.1.1 Wastes Resulting From the Parts of Washer Service

Used solvents from parts washers is accumulated in a 12,000 gallon underground, double-walled storage tank via the return and fill station. Containers of used material are poured into a dumpster at the return and fill station which in turn empties into the tank. This waste handling method results in several types of solvent waste:

a. Used solvent - The used solvent is removed from the tank by a tanker truck on a scheduled basis. About 5,000 gallons are removed every month. This waste is ignitable (D001) and may exhibit the toxicity characteristic of D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040 D041, D042, and D043.

b Bottom sediment in the tank - Approximately once every two years, it is necessary to remove sediment and other heavy material from the bottom of the tank. A Safety-Kleen vacuum truck is generally used for this purpose. The sediment is ignitable (D001) and may exhibit the toxicity characteristic of D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040 D041, D042, and D043.

c. Dumpster Sediment - Sediment may also accumulate in the drum washers in the return/fill station. The sediment is manually removed and placed in containers. The dumpster sediment is representative of the waste codes described in items a and b above.

d. Used Aqueous Parts Cleaning Solvent - may be bulked at the service center into containers that meet DOT specifications or may be co-mingled with the other solvent into the used solvent tank. It may be toxic using the toxicity characteristic of D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040 D041, D042, and D043.

e. Immersion Cleaner - is a different type of solvent that is not placed in the underground storage tank. Containers of immersion cleaner typically remain in

the drum in which it was originally used until it is received at the recycle center. Drums are placed in the drum storage area of the warehouse and are stacked no more than two-high in the drum storage area of the warehouse.

The immersion cleaner is a non-halogenated hydrocarbon mixture and may exhibit the toxic characteristics of D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040 D041, D042, and D043.

A.1.2 Wastes Resulting From the Dry Cleaner Service

Dry cleaning wastes consist of used filter cartridges, powder residue from diatomaceous or other powder filter systems and still bottoms. These wastes are packaged on the customer's premises in containers meeting DOT specifications. The containers are then palletized, stacked two-high and placed in the container storage area of the warehouse. Approximately 95% of the dry cleaning solvent used is perchloroethylene (F002 and D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040 D041, D042, and D043) and the remaining 5% is trichloro-trifluoroethane (F002) and toxic using the characteristic leaching procedure (D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, and D043).

A.1.3 Wastes Resulting From the Paint Service

Paint wastes consist of various lacquer thinners (D001, F003, and F005) and may be toxic as per the characteristic leaching procedure (D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, and D043). The wastes are collected in containers which meet DOT requirements at the customer's place of business and containers are then palletized and stored in an enclosed concrete masonry building (the H-3 Flammable Storage Building).

A.1.4 Photographic/Imaging Wastes

Some photographic imaging wastes managed by the facility are not solid wastes per 40 CFR 261.2(c) because their hazardous constituent is reclaimed. Others are managed under the provisions of Subpart F of 40 CFR 266 – Recyclable Materials Utilized for Precious Metals Recovery. Imaging waste consists typically of three waste streams. Photo fixer solution is an aqueous solution used to etch photo film during processing. This material is characteristic for silver (D011). Safety-Kleen is able to recover the silver from the solution. Used Photo developer is an aqueous solution that exhibits no hazardous waste characteristics but may not be allowed to discharge into public wastewater treatment systems in some communities. Silver collection canisters are sent to a recycle center for reclamation. These canisters do not meet the definition of a hazardous waste as per 40 CFR 260.30(c) and are managed as a non-regulated material.

A.2 QUALITY CONTROL PROCEDURES

The used solvents are the primary feed stocks for the generation of Safety-Kleen solvent products. As a result, quality control of the used solvents is necessary to ensure that reclamation occurs in the safest and most efficient manner possible. The service center collects used solvents from approximately 1,100 customers, most of who are small quantity generators, and an estimated 14,000 drums containing recoverable solvents are returned to the service center each year for shipment to a reclaimer. With such large numbers of waste generators and waste shipments, performing detailed analyses at the service center is economically and logistically infeasible.

Furthermore, as discussed earlier in the Facility Description, all the materials collected at the service center are managed at all times in a closed loop system and are usually collected from a company with a single process. The composition and quality of these materials are known and Safety-Kleen's operating experiences have shown that the collected materials rarely deviate from company specifications. As an additional safeguard, Safety-Kleen personnel are instructed to inspect all materials before returning them to the service centers as described in Section A.2.1. This mode of operation has been proven to safeguard the recycling process and maintain a quality product.

However, in accordance with HWMR 206.B.3, Safety-Kleen will perform physical and chemical analysis of a waste stream when it is notified or has reason to believe that the process or operation generating the waste has changed, or when the result of inspection indicates that the waste collected does not match that designated. It is Safety-Kleen's practice that suspected non-conforming material must not be accepted until a full analysis has been conducted. If a container with questionable contents is returned to the service center, a sample will be taken and analysis will be performed at the recycling center, Safety-Kleen Tech Center (Elk Grove Village, Illinois) or other qualified lab according to the procedures outlined in Section A.3 of this attachment. The Branch Manager will be notified of any contamination that may have occurred.

Safety-Kleen trains personnel to verify the physical characteristics of the wastes at several points in the management of the solvent. These procedures are described briefly below.

Safety-Kleen controls the use and management of its solvents by:

1. Limiting the solvents stored to those compatible with one another and their containers;

2. Limiting the uses of each type of solvent for (example, dry cleaning waste is <u>only</u> collected from dry cleaner shops);

3. Determining the customer's type of business (i.e., the SIC code is recorded) and the purpose for which the customer will use the machine;

4. Training customers to use the machines properly;

5. Training employees to inspect the physical characteristics of used solvent and determine whether it is acceptable;

6. When waste is collected from a customer, indicate on the service document whether the used solvent meets Safety-Kleen's acceptance criteria;

7. Marking each container with the customer's name, address, and EPA I.D. number (if available). This information remains on containerized waste until it is accepted at the reclamation facility;

8. Keeping a record of each incoming and outgoing shipment in the operating log; and

Safety-Kleen's customers sign a service document containing the following information:

a. the name, address and EPA I.D. number of the facility to which the waste is being shipped;
b. the customer's name, address and EPA I.D. number (if available); and

c. the description and amount of Safety-Kleen solvent waste generated.

In addition, each incoming and outgoing shipment is recorded in the facility's operating log.

If a waste is rejected at the time of service, the customer will be given a choice as to whether he will dispose of the waste himself or require Safety-Kleen's assistance. If he requests Safety-Kleen's assistance, a sample will be drawn using a Coliwasa tube or similar sampling device to ensure representative samples. The sample will be analyzed for flash point and volatile organic compounds. If this analysis does not adequately define the constituents, additional analyses will be performed as necessary (e.g., semi-volatile organic compounds, PCBs, etc.).

The laboratory sends waste analyses results to the service center. If through the additional analysis the waste is determined to be acceptable at the branch, it will be relabeled, manifested and then managed with the other wastes. If it is determined through the additional analysis to not be acceptable, the waste will either be: (a) managed at the Service Center on a 10 day transfer basis and manifested to a properly permitted reclamation or disposal facility, or (b) manifested and shipped directly to a properly permitted reclamation or disposal facility. The analytical results from the additional characterization analysis will be used to appropriately manage the waste. The Branch Manager has the right to refuse any further service to a business which has returned waste that does not meet acceptable criteria.

A.2.1 Qualitative Waste Analysis

a. General Inspection Procedures:
Safety-Kleen visually inspects each drum of waste when it is collected at the customer's location. Safety-Kleen examines the waste for volume, appearance, consistency and odor and is intimately familiar with the characteristics of the waste it receives. Based on the known waste characteristics, Safety-Kleen has established the specific acceptance criteria set forth below, to be used by Safety-Kleen personnel in their visual inspections. These inspection procedures allow Safety-Kleen to ensure that the waste being picked up meets appropriate acceptance criteria.

If a particular drum of waste does not meet the acceptance criteria, the Safety-Kleen service representative will either (1) sample the waste for testing at a Safety-Kleen laboratory to determine whether the waste has been contaminated; or (2) reject the waste. In the event the waste is not sampled, Safety-Kleen will notify the generator's State Agency that is authorized to implement the RCRA hazardous waste management program (or EPA if the RCRA program has not been delegated to the State).

If the waste is sampled for further analysis, the service representative will collect a sample, then seal the drum and label it as hazardous waste. The drum is left with the customer pending the results of the laboratory tests. The laboratory testing initially involves analyzing the suspect waste for flash-point and the presence of volatile organic compounds. Pending those results, additional constituents may also be analyzed. The costs of any sampling and testing performed as a result of the waste failing to meet the acceptance criteria, will be borne by the customer.

If the laboratory analysis reveals that the sampled waste is not contaminated, Safety-Kleen will accept the waste from the customer. If the laboratory confirms that the waste is contaminated, the generator will be responsible for securing an alternate means of disposal or they may contract with Safety-Kleen to handle the waste on a ten-day transfer basis.

b. Waste Specific Criteria:
The following is a description of the specific acceptance criteria for each waste stream.

1. Used solvent:

The acceptance criteria for determining by visual inspection whether used solvent has been contaminated are volume, odor and color, the most significant of which is volume. If the volume of waste in a given drum exceeds the specified level, the Safety-Kleen service representative will conduct an inquiry of the customer's operation and handling procedures. Contingent on the customer's responses, the solvent may be accepted, a sample of the waste may be collected for laboratory testing as described above, or the waste may be rejected.

In addition to the volume criterion, the odor of the used solvent may typically indicate whether the waste has been contaminated. Used solvent has a distinctive odor. The service representatives are expressly instructed not to deliberately sniff the waste. However, if the solvent has been contaminated the service representative may notice a difference in the odor when he services the machine.

The used solvent is also visually inspected for its color. Unused solvent typically has a clear or greenish tint. As the solvent is used, it turns brown in color. The more it is used, the darker brown it becomes, until it is almost black. In the case of a print shop, the solvent may be clear, green, brown, black, or many colors. Therefore, if the used solvent does

not appear to be the expected color, the service representative will sample the waste for possible contamination as described above, or will reject the waste.

2. Immersion Cleaner:

The criteria for the inspection of used immersion cleaner are volume and color. If the volume of waste exceeds the specified level a sample will be tested for contamination following the procedures described above or the waste will be rejected.

Unused immersion cleaner is amber in color. As the solvent is used, it turns brown in color. The more it is used, the darker brown it becomes, until it is almost black. If the used immersion cleaner does not appear to be the expected color, the service representative will either sample the waste for possible contamination as described above, or reject the drum of waste.

3. Dry Cleaner Wastes:

Dry cleaner wastes normally consist of used filter cartridges, powder residue, and still bottoms.

a. Used Filter Cartridges:
Used filter cartridges are placed in containers meeting DOT specifications. It is obvious to the service representative whether the items in the drums are filter cartridges. The drums may also contain approximately one inch of liquid which should either be clear or have a light brownish tint. If the amount of the liquid is greater than approximately one inch or if the liquid is a color other than light brown, the service representative will sample the waste for contamination in accordance with the procedures described above, or will reject the waste.

b. Powder Residue:
The criteria for the acceptance of powder residue are consistency and color, the former being the more significant criterion of the two. A drum of powder residue should not contain any liquid. As the name implies, it will be dry or "powdery". If there is any liquid in the drum, the waste will be sampled for contamination in accordance with the procedures described above, or the waste will be rejected.

The powder residue is also inspected for color and should appear to be grayish-black. If the residue is not grayish-black in color, the service representative will sample the waste for contamination in accordance with the procedures described above, or will reject the waste.

c. Still Bottoms:
The criteria for the acceptance of dry cleaning still bottoms are consistency and color. The waste should have a highly viscous, tar-like consistency. If the consistency of the waste is too thin or if there is more than one inch of free liquid in the drum, the waste will be sampled for contamination in accordance with the procedures described above, or will be rejected.

In addition to consistency, the still bottom waste is inspected for color. The waste should appear dark brown or black in color. If the waste is a different color, a service representative will sample the waste for contamination in accordance with the procedures described above, or will reject the waste.

4. Paint Wastes:

Safety-Kleen handles both lacquer thinner waste generated from the paint gun cleaning process and paint waste.

a. Lacquer Thinner Waste:
The significant criterion for determining whether lacquer thinner waste will be accepted is volume. The solvent is provided to customers in pails which meet DOT requirements. The paint gun cleaning machine operates as a closed system where by there should never be a combined volume of more than the expected amount of solvent in the two collection pails. The solvent is pumped from a tube in a left hand pail (facing the machine) through the machine into the right hand pail. The left hand pail starts with clean solvent which will be pumped out as the machine is used to clean the spray guns. If a service representative discovers more than the expected amount of solvent in the two pails, or there is an overfill from the right hand pail, the waste will be sampled for contamination in accordance with the procedures described above, or the waste will be rejected.

b. Paint Waste:
b.1 Liquid
The significant criterion for the inspection of paint waste is consistency. The waste should contain no more than 30 percent solids. The service representative will insert a Colliwasa or similar sampling device into the drum. The sampling device should glide easily down to the bottom of the drum. The service representative will handle this waste as a Class 3 flammable waste. If there is resistance to the insertion of the glass tube, it is assumed that the level of solids is in excess of 30 percent and the service representative will reject the waste.

The contents of the glass tube are also visually examined for consistency and water content. The material should be a "free flowing" liquid, but should not contain a significant

amount of water. If there is more than approximately 10 inches of water in the 3 foot tube (the water and paint will separate in the tube and thus can be measured) the waste will be rejected.

b.2 Solid:
For waste containing more than 30 percent solids the service representative will handle the waste as a Class 4 flammable waste.

5. Photographic/Imaging Waste

Photographic/Imaging waste is collected from facilities where one process is managed and the possibility of cross contamination is minimal. The sales representative inspects the contents of the containers of photographic/imaging waste when the sales representative services the customer. The pH and silver content of the waste is checked at the time of service, and the waste is also inspected visually.

A.3 WASTE ANALYSES AT THE RECYCLE CENTER

Analyses performed at the Safety-Kleen recycle centers are undertaken to safeguard the recycling process and to assure a product quality. The following section summarizes the waste analyses practiced at the recycle center for the hazardous materials returned form the Albuquerque branch. For each waste type stored at the branch, at least the following analyses must be performed annually (annual re-characterization analysis). If a particular waste stream is not managed at the service center during the previous year, no re-characterization analysis is performed. Copies of the results for the annual analyses must be maintained at the branch office for the life of the permit. A copy of the most recent re-characterization analysis is contained in Attachment A-1.

A.3.1 Solvents

- Flash point (must be greater than 90°F).

If the flashpoint is unacceptable, the Albuquerque Branch Manager will be notified immediately and the load will receive appropriate special handling. If the results are acceptable, the following tests will be performed:

- Volatile Organic Analysis, using EPA Methods 8015, 8021, 8260, or approved equivalents.
- Physical appearance, including bottom sediment and water content
- Specific gravity

- pH
- Distillation performance

If any of these tests yield unacceptable results or indicate solvent contamination outside the normal range, the Branch Manager will be notified immediately.

In addition to the tests listed above, which will be performed on a representative sample from every load received at the recycle center from the Albuquerque service center, a full Toxicology Characteristic Leaching Procedure (TCLP) analysis for all 40 constituents, (except for pesticides and herbicides) will be performed at least once each calendar year.

A.3.2 Solvent Tank Bottom Sludge and Free Water

- Flash point (Must be greater than 90°F).
- Analysis for content of lead, cadmium, and chromium.
- pH

As described above for solvent, a full TCLP analysis (except for the pesticides and herbicides) will be performed on a representative sample at least once each calendar year.

A.3.3 Immersion Cleaner Solvent

Containers of waste immersion cleaner are typically characterized at the recycle center using the following criteria:

- Flash point
- Physical appearance
- Specific gravity
- Percent water
- Volatile Organic Analysis (using EPA methods 8015, 8021, 8260 or approved equivalents)

If any of these tests yield unacceptable results or indicate solvent contamination outside the normal range, the Branch Manager will be notified immediately. As described above, a full TCLP test (except for pesticides and herbicides) will be performed on a representative sample of immersion cleaner at least once each calendar year.

A.3.4 Dry Cleaning Solvent/Still Bottoms

- Physical appearance
- Volatile Organic Analysis for Perchlorothylene (using EPA methods 8015, 8021, 8260 or approved equivalents)
- Specific gravity

If any of these tests yield unacceptable results or indicate contamination outside the normal range, the Branch Manager will be notified immediately.

As described above, a full TCLP test (except for pesticides and herbicides) will be performed on a representative sample of dry cleaning waste at least once each calendar year.

A.3.5 Paint Waste

Paint wastes are generally characterized at the recycle center using the following criteria:

- Metals
- Flash points
- Physical appearance
- Specific gravity
- Percent water
- Volatile organic analysis (using EPA methods 8015, 8021, 8260, or approved equivalents)

As described above, a full TCLP test (except for pesticides and herbicides) will be performed on a representative sample of paint waste at least once each calendar year.

A.4 WASTE ANALYSIS PLAN UPDATE

This waste analysis plan will be modified when a new waste product is collected or when sampling and material management methods change. Revision of the plan is typically the responsibility of the Safety-Kleen corporate or regional compliance offices.

A.5 LAND BAN NOTIFICATION/CERTIFICATION FORMS

In accordance with 40 CFR 268.7(a)(2), Safety-Kleen provides a one time written notice for wastes banned for land disposal with the initial shipment. No further notification is necessary unless the waste changes. Safety-Kleen will provide the written notice for wastes banned from landfills as follows:

1. Printing the Notice language on manifests - such as for core-business customers to branch shipments; or

2. Special forms for each regularly handled waste types (e.g., parts washer solvents, immersion cleaner, dry cleaning wastes, etc); or
3. A general form that must be completed for unique or non-standard waste streams. These wastes will only be handled on a transfer basis in accordance with 40 CFR 263.12.

The notice is required paperwork for all Safety-Kleen waste types. Shipments lacking the proper Notice will not be accepted by any Safety-Kleen facility. When a shipment with the proper Notice is received, the notice is kept in the files of the receiving facility with the manifest or with the pre-print if a manifest is not used.

A.6 OPERATING LOG RECORD

Safety-Kleen maintains an operating log record on site which includes the following information as it becomes available:

1. A description and the quantity of each hazardous waste received, and the method and date of its storage as required by Pt. V. Sec. 264, Appendix I;

2. The location of hazardous waste within the facility and quantity;

3. Records and results of waste analyses performed;

4. Summary reports and details of all incidents that require implementing the contingency plan;

5. Records and results of inspections;

6. Monitoring, testing or analytical data and corrective action where required;

7. For off-site facilities, Notices to generators as specified in 264.12(b);

8. Closure and post-closure cost estimates;

9. A certification by the permittee no less often than annually, that the permittee has a program in place to reduce the volume and toxicity of hazardous waste; and

10. The land ban notices and requirements. These records are kept on file at the facility.

A.7 WASTE DETERMINATION FOR SUBPART BB AND CC COMPLIANCE

For purposes of waste determination, this facility utilizes knowledge of the wastes described in Section A.1, A.2 and A.3 above. For those hazardous wastes which are managed on a transfer basis, the Subpart CC regulation does not apply. However, the owner/operator may use knowledge of the waste based on information included in manifests, shipping papers, or waste certification notices to confirm waste determination for the generator or the ultimate receiving facility.

Based upon this knowledge, it has been determined that all wastes managed in tanks or containers at this facility may display an average volatile organic concentration of greater than 500 ppmw at the point of waste origination. Documentation of this knowledge is provided in Attachment A-1 (waste characterization analytical results), as required in 40 CFR 264.1063(d) and 264.1083. Therefore, hazardous wastes managed in tanks or containers at this facility shall be managed in accordance with the applicable Subpart CC standards.

ATTACHMENT A-1

ANNUAL RE-CHARACTERIZATION DATA

2001 ANNUAL RECHARACTERIZATION WASTE CODES
FINAL WASTE CODE ASSIGNMENTS EXCLUDING MN

WASTE STREAMS		WASTE CODE CHANGES			
2000 SKDOT #		2000 Waste Codes (From 1999 Data)	2001 Waste Codes (From 2000 Data)	Changes from 2000 to 2001	2001 SKDOT #
839	Aqueous Brake Cleaner	D039	D039	No Change	839
10070	Aqueous Parts Washer	D039	D039	No Change	10070
11478 - Liquid 11479 - Solid	Branch Contaminated Debris	F001, F002, F003, F005, D001, D006, D007,D008,D011,D018, D022,D027,D028, D035,D039,D040	F001, F002, F003, F005, D001, D006, D007,D008,D011,D018, D022,D027,D028, D035,D039,D040	No Change	11478 - Liquid 11479 - Solid
1808	Immersion Cleaner (IC 699)	D006, D008, D027, D039, D040	D006, D008, D027, D039, D040	No Change	1808
704 801 (RQ)	Parts Washer Solvent - 105 Recycled	D001, D018, D039 D040	D001, D018, D039 D040	No Change	704 801 (RQ)
11657 (Bulk)	Bulked Solvents / Combination of 105 / 150 / possibly Aqueous	D001, D018, D039 D040	D001, D018, D039 D040	No Change	11657 (Bulk)
11656	Parts Washer Solvent Sludge/Dumpster Mud	D001, D039	D001, D039	No Change	11656
11659	** Parts Washer Solvent Tank Bottoms	D039	D039	No Change	11659
717	Premium Gold Parts Washer Solvent -150	D039	D039	No Change	717
11658	S-K Paint Gun Cleaner	F005, F003, D001 D018, D035, D039, D040	F005, F003, D001 D018, D035, D039, D040	No Change	11658
12628	*** Paint Wastes Other	F005, F003, D001, D008, D018, D035, D039, D040	F005, F003, D001, D008, D018, D035, D039, D040	No Change	12628
12627	Dry Cleaner Bottoms	F002, D007, D039, D040	F002, D007, D039, D040	No Change	12627
12626	Dry Cleaner Filter Powder	F002, D039, D040	F002, D039, D040	No Change	12626
569	* Dry Cleaning Naphtha (Mineral Spirits)	D001, D039	D001, D039	No Change	569

* Under consideration for removal from recharacterization.

** Parts washer solvent tank bottoms are SK-generated wastes from the cleanout of solvent storage tanks. Safety-Kleen does not accept this waste stream from non-SK generators.

*** This DOT is acceptable to use for any size container of paint waste. For those states that require 30-gal paint waste to be listed separately, use SK DOT 12630; for states that require 55-gal paint waste to be listed separately, use SK DOT 12631.

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	GA-C	10.43	1.01	>200	<5.00	2.7	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-MO	10.18	1.04	**125**	<5.00	1.62	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	IL-EGV	11.3	1.01	>140	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	IL-EGV	10.64		>142	<5.00	0.351	<0.050	<0.050	**32.7**	<0.0008	<0.750	<0.050
SK-1999	IL-EGV	10.2		>142	<5.00	0.406	<0.050	0.066	0.445	<1.00	<0.750	<0.050
SK-1999	IL-EGV	10.5	1.01	>140	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	IL-EGV	10.4	1.02	>140	<5.00	1.48	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	IL-EGV	10.2	1.02	>140	<5.00	0.517	<0.500	<0.500	<4.00	<0.10	<0.450	<0.500
SK-1999	IL-EGV	9.8	1.03	>140	<5.00	<0.500	<0.500	0.873	<4.00	<0.100	<0.452	<0.500
SK-1999	IL-EGV	10.3	1.01	>140	<5.00	0.766	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	KS-DC	9.33	0.99	>200	<5.00	3.66	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	KS-E	8.14	1.04	>200	<5.00	<0.500	<0.500	<0.500		<0.190	<0.859	<0.500
SK-1999	KS-W	8.47	1.00	>200	<5.00	1.33	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	MO-C	10.18	1.05	>200	<5.00	6.27	**1.09**	**6.6**	<4.00	<0.10	<0.45	<0.500
SK-1999	ND-B	9.27	0.99	**69**	<5.00	0.842	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-GE	9.98	1.03	>200	<5.00	1.2	<0.500	<0.500	<4.00	<0.040	<0.452	<0.500
SK-1999	NM-A	9.72	1.02	>200	<5.00	3.83	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NM-A	9.93	1.02	>200	<5.00	5.41	<0.500	<0.500	**8.25**	<0.040	<0.452	<0.500
SK-1999	NY-A	10.52	1.06	>200	<5.00	6.38	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-A	10.5	0.98	>200	<5.00	3.78	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-A	9.78	1.04	>200	<5.00	1.45	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-A	10.05	1.03	>200	<5.00	0.595	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-A	9.88	1.00	>200	<5.00	4.09	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-A	9.99	0.99	>200	<5.00	6.98	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	9.27	1.07	>200	<5.00	0.822	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	8.93	1.01	>200	<5.00	1.73	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-C	9.54	1.05	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-C	10.57	1.04	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	10.39	1.04	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-L	10.15	0.99	**91**	<5.00	1.55	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-L	9.08	1.05	>200	<5.00	2.16	0.541	<0.500	<4.00	<0.100	<0.450	<0.500
SK-1999	NY-L	10.35	1.02	>200	<5.00	10.5	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-L	9.8	1.06	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-NA	7.89	0.89	>200	<5.00	3.74	<0.500	3.23	**53.1**	<0.10	<0.45	<0.500

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	NY-NA	9.89	0.91	>200	<5.00	5.01	<0.500	4.3	**68.8**	<0.10	<0.45	<0.500
SK-1999	NY-NA	7.69	0.90	>200	<5.00	2.51	<0.500	**8.61**	**68.1**	<0.10	<0.45	<0.500
SK-1999	NY-NA	9.73	1.03	>200	<5.00	1.68	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-NA	9.7	1.03	>142	<5.00	0.704	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-NA	10.34	1.04	>200	<5.00	8.4	0.771	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-S	10.28	1.00	>200	<5.00	4.04	0.804	0.867	**16.4**	<0.10	<0.45	<0.500
SK-1999	NY-S	9.53	0.92	149	<5.00	0.155	<0.050	<0.050	**48.3**	<0.0008	<0.750	<0.050
SK-1999	NY-S	9.37	1.04	>200	<5.00	3.52	0.697	0.928	**13.8**	<0.10	<0.45	<0.500
SK-1999	NY-S	9.78	1.03	**111**	<5.00	2.26	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-S	10.33	1.00	>200	<5.00	10.4	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-S	10.34	1.01	>200	<5.00	10.3	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	OR-C	10.43	0.98	>200	<5.00	2.84	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	TX-D	9.84	0.99	>200	<5.00	1.41	**1.24**	<0.500	<4.00	<0.100	<0.452	<0.500
SK-2000	GA-C	7.90	1.01	>200	<5.00	1.17	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-GC	11.30	1.08	>200	<5.00	6.04	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-MO	11.02	0.92	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-DC	10.71	1.06	>200	<5.00	9.02	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-E	9.20	1.01	>200	<5.00	1.79	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-W	8.32	1.00	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	MO-SC	7.42	1.01	>200	<5.00	2.1	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	ND-B	9.90	1.10	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NE-GE	10.12	1.02	>200	<5.00	0.926	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-2000	NM-A	8.60	1.05	**69**	<5.00	12.7	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NM-A	10.00	1.00	>200	<5.00	7.46	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-A	11.78	1.01	>200	<5.00	5.54	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-A	10.66	1.01	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-A	10.66	1.01	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-C	9.42	1.04	>200	<5.00	1.63	<0.500	<0.500	<4.00	<0.10	<1.00	<0.500
SK-2000	NY-L	9.79	1.02	>200	<5.00	1.49	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	7.28	0.87	>200	<5.00	0.693	0.588	<0.500	4.9	<0.10	<0.45	<0.500
SK-2000	NY-L	9.79	0.98	>200	<5.00	0.893	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	9.47	0.93	180	<5.00	1.57	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	9.20	0.98	>200	<5.00	1.68	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	10.57	1.01	**120**	<5.00	1.17	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	NY-NA	**9.38**	**1.00**	**>200**	<5.00	0.558	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-NA	**9.36**	**1.00**	**>200**	<5.00	0.502	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-NA	**9.37**	**1.01**	**>200**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-NA	**8.95**	**1.01**	**>200**	<5.00	1.17	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-NA	**9.09**	**1.01**	**>200**	<5.00	1.19	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**9.93**	**1.01**	**>200**	<5.00	0.528	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**10.17**	**1.04**	**>200**	<5.00	5.06	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**9.95**	**1.03**	**>200**	<5.00	1.17	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**10.25**	**1.03**	**>200**	<5.00	1.06	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**9.86**	**1.04**	**>200**	<5.00	0.854	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**7.24**	**1.36**	**135**	<5.00	2.91	0.692	<0.500	0.748	<0.0008	<0.750	<0.050
SK-2000	NY-S	**10.03**	**1.03**	**>200**	<5.00	8.76	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**9.66**	**1.02**	**>200**	<5.00	1.78	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	**9.47**	**1.01**	**>200**	<5.00	2.02	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-A	**11.07**	**1.05**	**>200**	<5.00	5.4	<0.50	<0.50	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**10.60**	**1.00**	**>200**	<5.00	2.33	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg. Limit:	<2, >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
	Maximum	**11.78**	**1.36**	**180.00**	ND	12.7	1.24	8.61	68.8	0	ND	ND
	Minimum	**7.24**	**0.87**	**69.00**	ND	0.155	0.541	0.066	0.445	0	ND	ND
	90th UCL for	**10.15**	**1.02**	**>200**	ND	2.51	ND	ND	ND	ND	ND	ND
	50th Percentile	**10.00**	**NA**	**>200**		1.73						

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Semi-Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	GA-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	GA-MO	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	IL-EGV	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	IL-EGV	<0.73	<0.093	<0.086	<0.13	<0.12	<0.15	<0.22	<0.45	<0.18	<0.22
SK-1999	IL-EGV	<0.73	<0.093	<0.086	<0.13	<0.12	<0.15	<0.22	<0.45	<0.18	<0.22
SK-1999	IL-EGV	<0.73	<0.093	<0.086	<0.13	<0.12	<0.15	<0.22	<0.45	<0.18	<0.22
SK-1999	IL-EGV	<0.73	<0.093	<0.086	<0.13	<0.12	<0.15	<0.22	<0.45	<0.18	<0.22
SK-1999	IL-EGV	<0.73	<0.093	<0.086	<0.13	<0.12	<0.15	<0.22	<0.45	<0.18	<0.22
SK-1999	IL-EGV	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	IL-EGV	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	KS-DC	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	KS-E	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	KS-W	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	MO-C	<5.8		<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	ND-B	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	NE-GE	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NM-A	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NM-A	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-A	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-A	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-A	<10.1	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-A	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-A	<1.44	<0.19	<0.17	<0.26	<0.24	<0.29	<0.45	<0.91	<0.36	<0.43
SK-1999	NY-A	<7.3	<0.93	<0.86	<1.3	<1.2	<1.5	<2.2	<4.5	<1.8	<2.1
SK-1999	NY-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-L	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-L	<1.44	<0.19	<0.17	<0.26	<0.24	<0.29	<0.45	<0.91	<0.36	<0.43
SK-1999	NY-L	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-L	<10.2	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Semi-Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	NY-NA	<460		<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-NA	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-NA	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-S	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.97	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-S	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-S	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-S	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	NY-S	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	OR-C	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	TX-D	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-2000	GA-C	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	GA-GC	<100	<0..10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	GA-MO	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KS-DC	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KS-E	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	KS-W	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	MO-SC	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	ND-B	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NE-GE	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NM-A	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NM-A	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NY-A	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-A	<20.0	<0.26	<0.26	<0.40	<1.0	<0.80	<10.0	<2.0	<10.0	<4.0
SK-2000	NY-A	<20.0	<0.26	<0.26	<0.40	<1.0	<0.80	<10.0	<2.0	<10.0	<4.0
SK-2000	NY-C	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.1	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<100.0	<1.3	<1.3	<2.0	<5.0	<4.0	<50	<10.0	<50	<20
SK-2000	NY-L	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Semi-Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	NY-NA	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-NA	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-NA	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-NA	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-NA	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.1	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-S	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.2	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-S	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-A	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	TX-D	<10.0	<0.13	<0.13	<0.20	<0.50	<0.40	<5.0	<1.1	<5.0	<2.0

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Semi-Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
	Maximum	0	ND	0	0	ND	ND	ND	0	ND	ND
	Minimum	0	ND	0	0	ND	ND	ND	0	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	SITE											
SK-1999	GA-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**31.68**	<0.20	<0.14
SK-1999	GA-MO	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<2.0	1.22	**827.27**	0.29	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.500	<0.20	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.500	<0.20	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.500	<0.20	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.500	<0.20	<0.20	<0.14
SK-1999	IL-EGV	0.27	<0.20	<0.20	<0.20	0.97	<0.20	<0.20	<0.50	**0.9**	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.500	<0.20	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	IL-EGV	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	KS-DC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**7.63**	<2.0	<1.4
SK-1999	KS-E	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.73**	<0.20	<0.14
SK-1999	KS-W	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	**458**	<2.8	<2.8
SK-1999	MO-C	<2.0	<2.0	<2.0	<2.0	<0.20	<0.20	<0.20	<0.50	**26413.9**	<2.0	<1.4
SK-1999	ND-B	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	12.65	**54.91**	<1.0	<0.70
SK-1999	NE-GE	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	**416.34**	0.43	<0.14
SK-1999	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.61	<0.20	<0.14
SK-1999	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2.52	0.31	<0.20	<0.14
SK-1999	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**53.12**	**10.67**	<1.4
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<2.0	<1.5
SK-1999	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.698**	<0.20	<0.14
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**8.844**	<2.0	<1.4
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**59.45**	<2.0	<1.4
SK-1999	NY-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1065.65**	<2.0	<1.4
SK-1999	NY-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	11.73	**52.88**	<2.0	<1.4
SK-1999	NY-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1930.55**	<2.0	<1.4
SK-1999	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.58	<0.20	<0.14
SK-1999	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**651.3**	<0.20	<0.14
SK-1999	NY-L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**12.63**	<2.0	<1.4
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-NA	<20	<20	<20	<20	<20	<20	<40	<50	**202**	<20	<15

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<2.0	<2.0	<1.5
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<2.0	<2.0	<1.5
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**13.56**	<2.0	<1.4
SK-1999	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.25**	<0.20	<0.14
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**664.57**	<2.0	<1.4
SK-1999	NY-S	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	**0.709**	<0.10	<0.10
SK-1999	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**17.91**	<2.0	<1.4
SK-1999	NY-S	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.50	**204.31**	<0.10	<0.10
SK-1999	NY-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**11.58**	<2.0	<1.4
SK-1999	NY-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**10.15**	<2.0	<1.4
SK-1999	OR-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**66.4**	<2.0	<1.4
SK-1999	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**2.88**	<2.0	<1.4
SK-2000	GA-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.889**	0.2	<0.14
SK-2000	GA-GC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**93.85**	<2.0	<1.4
SK-2000	GA-MO	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**25.76**	<0.20	<0.14
SK-2000	KS-DC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**7.654**	0.25	<0.14
SK-2000	KS-E	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.743**	<0.20	<0.14
SK-2000	KS-W	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	MO-SC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.686	<0.20	<0.14
SK-2000	ND-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**184.8**	<2.0	<1.4
SK-2000	NE-GE	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.43**	<0.20	<0.14
SK-2000	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.776**	<0.20	<0.14
SK-2000	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**131.2**	<2.0	<1.4
SK-2000	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**9.002**	<0.20	<0.14
SK-2000	NY-L	**16.26**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	22.49	<2.00	<2.0	<1.4
SK-2000	NY-L	**1.1**	<0.20	<0.20	<0.20	2	<0.20	<4.0	0.58	<0.20	<0.20	<0.14
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**37.28**	0.285	<0.14
SK-2000	NY-L	**15.34**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**2.069**	<2.0	<1.4
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**12.61**	<0.20	<0.14

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	**benzene**	**CCl4**	**Clbenz**	**CHCl3**	**1,4-DCIB**	**1,2-DCA**	**1,1-DCE**	**MEK**	**PCE**	**TCE**	**VChloride**
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.696	0.523	<0.20	<0.14
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.524	<0.20	<0.14
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.043**	<0.20	<0.14
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.369**	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**34.82**	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.145**	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**3.247**	**1.129**	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1615**	**2.814**	<1.4
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.104**	**0.781**	<0.14
SK-2000	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	TX-D	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14

WASTE AQUEOUS CLEANERS

Total # of Samples: 84

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	**benzene**	**CCl4**	**Clbenz**	**CHCl3**	**1,4-DCIB**	**1,2-DCA**	**1,1-DCE**	**MEK**	**PCE**	**TCE**	**VChloride**
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
	Maximum	16.26	ND	0	ND	2	ND	ND	22.49	26413.9	10.67	ND
	Minimum	0.27	ND	0	ND	0.97	ND	ND	0.58	0.31	0.2	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	**5.92**	ND	ND
	50th Percentile									**2.88**		

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-1998	GA-C	6.91	1.08	>200	<0.500	0.148	0.092	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	GA-GC	6.28	1.1	>200	<0.500	0.278	0.089	0.1	<0.400	<0.0008	<0.750	<0.050
SK-1998	GA-MO	6.73	1.24	>200	<0.500	0.434	<0.050	0.092	<0.400	<0.0008	<0.750	<0.050
SK-1998	GA-N	5.54	1.03	>200	<0.500	0.277	0.068	0.284	<0.400	<0.0008	<0.750	<0.050
SK-1998	KS-E				<0.500	0.28	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	KS-W	8.37	1.01	>200	<0.500	0.408	<0.050	0.051	<0.400	<0.0008	<0.750	<0.050
SK-1998	LA-K	7.13		>200	<0.500	0.151	<0.050	0.178	<0.400	<0.0008	<0.750	<0.050
SK-1998	LA-P	6.24	1.21	>200	<0.500	0.256	<0.050	0.085	<0.400	<0.0008	<0.750	<0.050
SK-1998	MO-CO	4.96	1.18	>200	<0.500	<0.050	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	ND-B	6.17	1.02	>200	<0.500	0.219	<0.050	0.413	<0.400	<0.0008	<0.750	<0.050
SK-1998	NE-GI	7.24	1.32	>200	<0.500	0.097	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	NE-O	6.43	1.22	>200	<0.500	0.132	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	NM-A	6.93	1.40	>200	<0.500	0.182	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-A	7.26	0.95	>200	<0.500	0.295	0.063	0.621	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-A	7.05	1.07	>200	<0.500	0.327	0.09	0.245	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-A	5.91	1.00	>200	<0.500	0.253	0.055	0.653	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-C	6.53		>200	<0.500	0.319	0.096	0.13	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-C	5.92	1.14	>200	<0.500	0.175	0.096	0.113	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-C	6.43	1.05	>200	<0.500	0.325	0.075	0.105	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-L	6.36	1.07	>200	<0.500	0.136	<0.050	0.065	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-L	5.93	1.18	>200	<0.500	0.226	0.075	0.146	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-L	6.35		>200	<0.500	0.292	0.062	0.407	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-NA	7.62	1.47	>200	<0.500	0.402	<0.050	0.067	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-NA	6.86	1.51	>200	<0.500	0.269	<0.050	0.054	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-NA	6.84	1.62	>200	<0.500	0.501	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	6.35			<0.500	0.259	0.059	0.177	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	5.69			<0.500	0.288	0.071	0.21	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	6.32			<0.500	0.269	0.074	0.218	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	6		>200	<0.500	0.201	0.056	0.092	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	6.08	0.99	>200	<0.500	0.263	<0.050	0.11	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	5.88	1.09	>200	<0.500	0.174	<0.050	0.078	<0.400	<0.0008	<0.750	<0.050
SK-1998	OR-C	6.88	1.19	>200	<0.500	0.068	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	SC-G	7.28	1.39	>200	<0.500	0.351	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	CD-SF	7.79		>200	<0.500	0.254	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-1999	GA-C	6.18	0.91	>200	<0.500	<0.500	<0.500	<0.500	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-GC	6.85	0.93	>200	<0.500	0.225	<0.050	0.071	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-MO	6.68	1.02	>200	<0.500	0.376	0.091	0.148	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-N	5.9	1.34	>200	<0.500	0.331	0.091	0.062	<0.400	<0.0008	<0.750	<0.050
SK-1999	KS-E	6.69	1.01	>200	<0.500	0.184	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	KS-W	7.68	0.91	>200	<0.500	0.081	<0.050	0.15	<0.400	<0.0008	<0.750	<0.050
SK-1999	LA-P	6.08	0.94	>200	<0.500	0.168	<0.050	0.094	<0.400	<0.0008	<0.750	<0.050
SK-1999	MO-CO	6.59	0.89	>200	<0.500	0.163	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	ND-B	6.48	0.71	**85**	<0.500	0.306	0.177	0.101	<0.400	<0.0008	<0.750	<0.050
SK-1999	NE-GI	6.7	0.92	>200	<0.500	0.478	0.161	0.125	<0.400	<0.0008	<0.750	<0.050
SK-1999	NE-O	7.09	1.62	>200	<0.680	0.19	0.082	0.543	0.656	<0.005	<0.738	<0.068
SK-1999	NY-C	6.19	1.09	>200	<0.500	0.182	0.056	0.156	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-C	6.29	1.10	>200	<0.500	0.246	<0.050	0.109	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-L	6.63	0.92	>200	<0.500	0.265	0.067	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-L	6.52	0.92	>200	<0.500	0.314	0.082	0.509	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.12	1.29	>200	<0.500	0.332	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.32	1.21	>200	<0.500	0.208	0.051	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.55	1.24	>200	<0.500	0.232	0.062	0.087	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	7.11	1.15	>200	<0.500	0.103	<0.050	0.06	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	6.93	1.06	>200	<0.500	0.077	<0.050	0.054	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	6.82	1.05	>200	<0.500	0.082	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	OR-C	5.78	0.56	>200	<0.500	0.483	<0.050	0.066	<0.400	<0.0008	<0.750	<0.050
SK-1999	SC-G	7.1	0.91	>200	<0.500	0.212	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	SD-S	7.4	1.20	>200	<0.500	0.142	<0.050	0.866	<0.400	<0.0008	<0.750	<0.050
SK-2000	GA-C	7.2	0.47	>200	<0.500	0.847	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	GA-GC	6.9	1.23	>200	<0.500	0.363	<0.050	<0.050	<0.400	<1.00	<0.750	<0.050
SK-2000	GA-MO	6.8		>200	<0.500	1.32	0.158	0.167	<0.400	<0.0008	<0.750	<0.050
SK-2000	KS-E	7.5	1.55	>200	<0.770	0.296	<0.077	0.083	<0.616	0.016	<0.705	<0.077
SK-2000	KS-W	8.7	1.83	>200	<0.500	0.084	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	LA-P	7.3	0.20	>200	<0.500	0.273	<0.050	0.08	<0.400	<0.0008	<0.750	<0.050
SK-2000	MO-SC	6.3	0.93	>200	<0.500	0.683	<0.050	0.088	<0.400	<0.0008	<0.750	<0.050
SK-2000	ND-B	7.3	0.91	>200	<0.500	0.273	0.06	0.253	<0.400	<0.0008	<0.750	<0.050
SK-2000	NE-GI	7.9	0.99	>200	<0.500	0.526	<0.050	0.252	<0.400	<0.0008	<0.750	<0.050
SK-2000	NE-O	7.2	1.11	>200	<0.500	0.337	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg. Limit:	<2; >12.5	NA	< 140	**5**	**100**	**1**	**5**	**5**	**0.2**	**1**	**5**
LAB	**SITE**											
SK-2000	NM-A	**6.9**	**0.38**	**>200**	<0.500	0.513	<0.050	0.308	<0.400	0.002	<0.750	<0.050
SK-2000	SD-SF	**7.0**	**1.30**	**>200**	<0.500	0.157	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	SD-SF	**6.9**	**0.93**	**>200**	<0.500	0.269	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**6.5**	**1.10**	**>200**	<0.500	0.414	<0.050	0.084	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**6.3**	**1.20**	**>200**	<0.500	0.375	<0.050	0.09	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**6.7**	**1.10**	**>200**	<0.500	0.374	<0.050	0.09	<0.400	<0.0008	<0.750	<0.050
	Maximum	**8.70**	**1.83**	**>200**	ND	1.32	0.18	0.87	0.66	ND	ND	ND
	Minimum	**4.96**	**0.20**	**85**	ND	0.07	0.05	0.05	0.66	ND	ND	ND
	90th UCL	**6.7**	**1.21**	**>200**	ND	0.277	ND	0.413	ND	ND	ND	ND
	for 50th%	**6.85**	**NA**	**>200**		0.278		0.092				

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1998	GA-C	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-GC	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-MO	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-N	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	KS-E	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	KS-W	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	LA-K	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	LA-P	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	MO-CO	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.200	<0.040	<0.040	<0.040
SK-1998	ND-B	<2.56	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NE-GI	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	NE-O	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	NM-A	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-A	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-A	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-A	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-C	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-C	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-C	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1998	NY-L	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-L	<2.55	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-L	<2.55	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-NA	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-NA	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-NA	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	OR-C	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	SC-G	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1998	SD-SF	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	GA-C	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	GA-GC	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1999	GA-MO	<2.28	<0.67	<1.1	<1.1	<1.00	<0.96	<2.4	<2.9	<1.0	<1.5
SK-1999	GA-N	0.559	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	KS-E	<2.28	<0.67	<1.1	<1.1	<1.00	<0.96	<2.4	<2.9	<1.0	<1.5
SK-1999	KS-W	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	LA-P	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	MO-CO	<2.27	<0.66	<1.1	<1.1	<1.00	<0.96	<2.4	<2.9	<1.0	<1.5
SK-1999	ND-B	<0.228	<0.067	<0.11	<0.11	<0.15	<0.15	<0.35	<0.44	<0.15	<0.22
SK-1999	NE-GI	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NE-O	<20.54	<5.84	<9.86	<10.3	<8.96	<8.53	<21.1	<26.4	<8.96	<13.4
SK-1999	NY-C	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	NY-C	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	NY-L	<0.34	<0.10	<0.11	<0.11	<0.15	<0.15	<0.35	<0.44	<0.15	<0.22
SK-1999	NY-L	<0.229	<0.068	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-NA	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1999	NY-NA	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1999	NY-NA	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1999	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	OR-C	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	SC-G	<0.040	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.040	<0.040
SK-1999	SD-S	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-2000	GA-C	<8.0	<0.0080	<0.0080	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	GA-GC	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	GA-MO	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
SK-2000	KS-E	<24.0	<2.44	<2.44	<12.0	<12.0	<12.0	<12.0	<12.2	<12.0	<12.0
SK-2000	KS-W	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	LA-P	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	MO-SC	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	ND-B	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	NE-GI	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NE-O	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	NM-A	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	SD-SF	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	SD-SF	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
	Maximum	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Minimum	0.56	ND	ND	ND	ND	ND	ND	ND	ND	ND
	90th UCL for 50th%	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1998	GA-C	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**159**	<0.100	<0.140
SK-1998	GA-GC	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**64.6**	<1.00	<1.40
SK-1998	GA-MO	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**126**	<0.100	<0.140
SK-1998	GA-N	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<100.0	**646**	<20.0	<28.0
SK-1998	KS-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**92.1**	<0.100	<0.140
SK-1998	KS-W	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**83.2**	<1.00	<1.4
SK-1998	LA-K	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**214**	<1.00	<1.40
SK-1998	LA-P	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**169**	<0.100	<0.140
SK-1998	MO-CO	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**4.35**	<0.100	<0.140
SK-1998	ND-B	<0.100	<0.100	0.19	<0.100	<0.100	<0.100	<0.100	<0.500	**277**	0.3	<0.140
SK-1998	NE-GI	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**145**	<1.0	<1.40
SK-1998	NE-O	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**138**	0.17	<0.140
SK-1998	NM-A	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**219**	<1.00	<1.40
SK-1998	NY-A	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**65.1**	<1.00	<1.40
SK-1998	NY-A	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**142**	<1.00	<1.40
SK-1998	NY-A	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**125**	0.22	<0.140
SK-1998	NY-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.11	<0.500	**102**	0.21	<0.140
SK-1998	NY-C	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**135**	**2.36**	<1.40
SK-1998	NY-C	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	**213.9**	<10.0	<14
SK-1998	NY-L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.11	<0.501	**212**	<0.100	<0.140
SK-1998	NY-L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**303**	<0.100	<0.140
SK-1998	NY-L	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**69.6**	<0.100	<0.140
SK-1998	NY-NA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**183**	<1.00	<1.40
SK-1998	NY-NA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**234**	<1.00	<1.40
SK-1998	NY-NA	<1.00	<1.00	<1.00	4.56	<1.00	<1.00	<1.00	<5.00	**237**	<1.00	<1.40
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**153**	**3.89**	<1.40
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**141**	**3.2**	<1.40
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**180**	**4**	<1.40
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**153**	**4.34**	<0.140
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**189**	**0.72**	<0.140
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**162**	**0.68**	<0.140
SK-1998	OR-C	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**297**	**2.51**	<1.40
SK-1998	SC-G	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**217.35**	<1.0	<1.4
SK-1998	SD-SF	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**18.5**	0.37	<0.140

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	GA-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**338.01**	<0.20	<0.14
SK-1999	GA-GC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<5.0	**190.18**	0.35	<0.14
SK-1999	GA-MO	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**176.65**	**2.53**	<1.4
SK-1999	GA-N	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**127.95**	<0.20	<0.14
SK-1999	KS-E	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**367.46**	<2.0	<1.4
SK-1999	KS-W	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	**193**	<4.0	<2.8
SK-1999	LA-P	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	**157.41**	<1.0	<1.4
SK-1999	MO-CO	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.1	**487.48**	<2.0	<1.4
SK-1999	ND-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**305.92**	<2.0	<1.4
SK-1999	NE-GI	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**109.9**	<2.0	<1.4
SK-1999	NE-O	<0.992	<0.992	<0.992	<0.992	<2.19	<0.992	<1.79	<2.48	**6550**	**2.4**	<0.734
SK-1999	NY-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**94.08**	<2.0	<1..4
SK-1999	NY-C	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<2.0	**124.01**	**0.94**	<0.56
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.39**	<0.20	<0.14
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.54**	<0.20	<0.14
SK-1999	NY-NA	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	**104.59**	<0.40	<0.28
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**135.46**	**3.47**	<1.4
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	11.26	**162.09**	<2.0	<1.4
SK-1999	NY-S	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	**117.7**	<0.40	<0.28
SK-1999	NY-S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	**136.8**	<1.0	<0.70
SK-1999	NY-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**190.16**	<2.0	<1.4
SK-1999	OR-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**122.29**	**1.14**	<0.14
SK-1999	SC-G	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**130.8**	<0.20	<0.14
SK-1999	SD-S	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1940**	<2.0	<1.4
SK-2000	GA-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**12.53**	<0.20	<0.14
SK-2000	GA-GC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**150.4**	<2.0	<1.4
SK-2000	GA-MO	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**9.23**	<0.20	<0.14
SK-2000	KS-E	<2.00	<2.0	2.01	<2.00	<2.18	<2.00	<2.12	<5.00	**1390**	**9.32**	<1.41
SK-2000	KS-W	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**102**	<2.0	<1.4
SK-2000	LA-P	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**180.5**	<0.20	<0.14
SK-2000	MO-SC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**129.1**	**1.108**	<0.14
SK-2000	ND-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**53.34**	<2.0	<1.4
SK-2000	NE-GI	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**455.4**	<2.0	<1.4
SK-2000	NE-O	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**123.8**	**8.131**	<1.4

WASTE DRY CLEANER FILTER POWDER

Total # of samples: 74

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	**benzene**	**CCl4**	**Clbenz**	**CHCl3**	**1,4-DCIB**	**1,2-DCA**	**1,1-DCE**	**MEK**	**PCE**	**TCE**	**VChloride**
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**100.8**	<0.20	<0.14
SK-2000	SD-SF	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**129.6**	<0.20	<0.14
SK-2000	SD-SF	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**201.2**	**9.398**	<0.14
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**180.7**	<2.0	<1.4
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**341.6**	<2.0	<1.4
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**307.5**	<2.0	<1.4
	Maximum	ND	ND	2.01	4.56	ND	ND	1.11	11.26	6550.0	9.40	ND
	Minimum	ND	ND	0.19	4.56	ND	ND	0.11	11.26	1.39	0.17	ND
	90th UCL	ND	ND	ND	ND	ND	ND	ND	ND	**180**	0.50	ND
	for 50th%									**176.65**	<2.0	<1.4

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	CO-E	6.88	1.40	>200	<5.00	3.47	<0.500	**14.9**	<4.00	<0.10	<0.45	<0.500
SK-1999	FL-M	6.36	1.02	**90**	<5.00	<0.500	<0.500	1.69	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-GC	4.51	1.24	>200	<0.500	<0.050	<0.050	0.123	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-MO	6.14	1.45	>200	<0.500	0.15	<0.050	0.24	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-N	6.34	1.13	**80**	<1.04	2.54	<0.104	3.06	1.27	<0.013	<0.714	<0.104
SK-1999	KS-E	6.22	1.18	>200	<0.500	<0.050	<0.050	0.081	<0.400	<0.0008	<0.750	<0.050
SK-1999	KS-W	7.12	1.41	>200	<0.500	0.09	<0.050	0.19	<0.400	<0.0008	<0.750	<0.050
SK-1999	LA-K	7.94	1.50	>200	<5.00	0.933	<0.500	**13.6**	<4.00	<0.100	<0.45	0.52
SK-1999	MO-CO	5.78	1.19	>200	<5.00	25.5	0.817	**199**	**13**	0.414	<0.45	1.02
SK-1999	ND-B	6.73	0.71	>200	<0.500	0.693	0.119	0.348	<0.400	0.001	<0.750	<0.050
SK-1999	NE-GER	4.47	1.25	>200	<1.25	7.92	**2.01**	**19.5**	**130**	<0.040	<0.903	<1.00
SK-1999	NE-GI	7.38	1.34	>200	<1.54	0.91	<0.154	4.58	1.33	<0.024	<0.681	<0.154
SK-1999	NE-O	7.20	1.14	>200	<5.00	4.95	0.524	**62.6**	**23.7**	<0.10	<0.45	<0.500
SK-1999	NM-A	7.10	1.36	>200	<0.950	0.807	0.105	3.4	<0.760	<0.011	<0.720	<0.095
SK-1999	NY-A	6.74	1.25	>200	<0.500	0.185	<0.050	0.1	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-C	6.78	1.20	>200	<0.680	0.288	<0.068	1.4	0.625	<0.005	<0.738	<0.068
SK-1999	NY-L	5.22	1.22	>200	<0.500	1.41	0.643	**25.7**	**6.39**	<0.100	<0.452	<0.500
SK-1999	NY-L	5.26	1.21	>200	<5.00	1.65	0.698	**27.1**	**7.33**	<0.100	<0.452	<0.500
SK-1999	NY-L	5.84	1.18	>200	<0.500	0.378	<0.050	0.735	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.55	1.25	>200	<0.500	0.069	<0.050	0.508	1.49	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.40	1.14	>200	<0.500	0.105	<0.050	0.582	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-NA	6.67	1.18	>200	<0.500	0.119	<0.050	0.5	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	8.61	1.01	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-S	8.51	1.26	>200	<4.46	7.92	0.475	**88.9**	**41.4**	<0.088	<0.486	<0.446
SK-1999	NY-S	6.55	1.23	>200	<0.500	0.406	0.115	0.114	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	6.09	1.23	>200	<0.860	0.699	0.132	**11.4**	1.89	<0.009	<0.726	<0.086
SK-1999	OR-C	6.19	1.36	>200	<5.00	3.87	<0.500	**12.9**	**13.7**	<0.10	<0.45	<0.500
SK-1999	SC-G	5.16	1.36	>200	<5.00	0.903	<0.500	**11.8**	<4.00	<0.100	<0.45	0.501
SK-1999	SD-S	6.15	1.47	>200	<5.00	1.89	<0.500	**12.5**	**9.22**	<0.10	<0.45	<0.500
SK-2000	CO-E	5.44	1.08	>200	<0.500	0.776	<0.050	0.0665	<0.400	0.0009	<0.750	<0.050
SK-2000	GA-C	7.54	0.82	>200	<0.500	0.297	<0.050	0.073	<0.400	0.002	<0.750	<0.050
SK-2000	GA-GC	6.80	1.31	>200	<0.500	0.925	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	GA-MO	5.95	1.15	>200	<5.00	3.05	<0.500	**14.1**	<0.400	<0.10	<0.45	<0.500
SK-2000	GA-N	5.37	1.27	>200	<5.00	1.47	<0.500	**17.2**	<4.00	<0.10	<0.45	<0.500

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	KS-E	**6.62**	**1.17**	**>200**	<0.500	0.459	<.050	0.547	<0.400	0.004	<0.750	<0.050
SK-2000	KS-W	**6.34**	**1.08**	**>200**	<5.00	3.93	<0.500	**14.2**	**8.58**	<0.040	<0.008	<0.500
SK-2000	LA-P	**5.64**	**1.11**	**>200**	<0.500	3.15	<0.500	**8.44**	4.45	<0.10	<0.45	<0.500
SK-2000	MO-SC	**6.82**	**1.18**	**>200**	<0.500	0.093	<0.050	0.327	<0.400	<0.0008	<0.750	<0.050
SK-2000	ND-F	**6.27**	**1.00**	**>200**	<5.00	2.76	0.663	**33.8**	**8.65**	<0.040	<0.008	<0.500
SK-2000	NE-GI	**6.96**	**1.19**	**>200**	<5.00	1.1	<0.500	**14**	4.28	0.125	<0.45	<0.500
SK-2000	NE-O	**6.90**	**1.59**	**>200**	<5.00	<0.500	<0.500	<0.500	<4.00	**0.246**	<0.45	<0.500
SK-2000	NM-A	**6.50**	**1.16**	**>200**	<5.00	0.548	<0.500	2.21	4.34	0.056	<0.008	<0.500
SK-2000	SD-SF	**6.85**	**1.20**	**>200**	<0.500	2.44	<0.050	0.706	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**4.10**	**1.10**	**>200**	<0.500	0.2	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	TX-D	**5.90**	**1.30**	**>200**	<0.500	0.137	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg. Limit:	<2, >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
	Maximum	**8.61**	**1.59**	**90**	ND	25.5	2.01	199	130	0.414	ND	1.02
	Minimum	**4.1**	**0.707**	**80**	ND	0.069	0.105	0.0665	0.625	0.0009	ND	0.501
	90th UCL for	**6.62**	**1.25**	**>200**	ND	3.87	ND	[illegible]	1.14	ND	ND	ND
	50th Percentile	**6.73**	**1.24**	**>200**	<4.46	0.933		[illegible]	0.625	<0.10		

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	CO-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	FL-M	<2.28	<0.68	<1.1	<1.1	<1.00	<0.98	<2.4	<2.9	<1.0	<1.5
SK-1999	GA-GC	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	GA-MO	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	GA-N	<57.2	<16.2	<27.4	<28.6	<24.9	<23.7	<58.5	<73.4	<24.9	<37.3
SK-1999	KS-E	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	KS-W	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	LA-K	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	MO-CO	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	ND-B	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	NE-GER	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-GI	<106.0	<30.0	<50.7	<53.0	<46.1	<43.8	<108	<136	<46.1	<69.1
SK-1999	NE-O	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NM-A	<46.2	<13.1	<22.1	<23.1	<20.1	<19.1	<47.2	<59.3	<20.1	<30.1
SK-1999	NY-A	<22.8	<6.7	<11	<11	<9.9	<9.7	<24	<29	<10	<15
SK-1999	NY-C	20.54	<5.84	<9.86	<10.3	<8.96	<8.53	<21.1	<26.4	<8.96	<13.4
SK-1999	NY-L	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-L	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-L	<1.44	<0.19	<0.17	<0.26	<0.24	<0.29	<0.45	<0.91	<0.36	<0.43
SK-1999	NY-NA	0.515	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-NA	<2.29	<0.68	<1.1	<1.1	<1.00	<0.98	<2.4	<2.9	<1.0	<1.5
SK-1999	NY-NA	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<405	<114	<194	<203	<176	<167	<414	<520	<176	<264
SK-1999	NY-S	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	NY-S	<22.6	<2.98	<2.74	<4.10	<3.78	<4.67	<7.16	<14.5	<5.71	<6.92
SK-1999	OR-C	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SC-G	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SD-S	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-2000	CO-E	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	GA-C	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	GA-GC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	GA-MO	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	A-N	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Semi Volatiles Analysis (ppm)

		D029	D030	D032	D033	D034	D036	D037	D038	D041	D042
	[illegible]	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	[illegible]	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	KS-E	<1.00	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	KS-W	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	LA-P	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	MO-SC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	ND-F	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	NE-GI	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	NE-O	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	NM-A	<80.8	<8.08	<8.08	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4
SK-2000	SD-SF	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040
SK-2000	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.040	<0.040	<0.040

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
	Maximum	20.54	ND	0	ND	ND	ND	ND	ND	ND	ND
	Minimum	0.515	ND	0	ND	ND	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Volatiles Analysis (ppm)

	Sample Code	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D041
	Parameter	benzene	CCl4	Clbenz	CHCl3	1.4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	CO-E	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**36600**	**16.8**	<1.5
SK-1999	FL-M	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1054.95**	**8.98**	<1.4
SK-1999	GA-GC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**159.12**	<0.20	<0.14
SK-1999	GA-MO	<20	<20	<20	<20	<20	<20	<20	<50	**515.76**	<20	<14
SK-1999	GA-N	<2.00	<2.00	<2.00	<2.00	<2.36	<2.00	<2.24	<5.00	**201000**	<2.00	<1.41
SK-1999	KS-E	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**180.86**	<2.0	<1.4
SK-1999	KS-W	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	**260**	<4.0	<2.8
SK-1999	LA-K	<50	<20	<20	**20**	<20	<20	<20	<100	**496240**	**1200**	<20
SK-1999	MO-CO	<20	<20	<20	<20	<50	<20	<40	<50	**237000**	**20.7**	<15
SK-1999	ND-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**1139.01**	<2.0	<1.4
SK-1999	NE-GER	<5.0	<2.0	<2.0	2.747	**151.545**	<2.0	<2.0	<10.0	**47001.11**	**271.23**	<2.0
SK-1999	NE-GI	<13.5	<6.32	<6.32	<6.32	<6.32	<6.32	<6.32	<27.8	**14700**	**16.4**	<5.86
SK-1999	NE-O	<20	<20	<20	<20	<50	<20	<40	94.9	**212000**	**23.8**	<15
SK-1999	NM-A	<2.51	<2.0	<2.00	<2.00	<2.00	<2.00	<2.00	<5.85	**3120**	**6.01**	<1.50
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**702.02**	<2.0	<1.4
SK-1999	NY-C	<2.72	<2.72	<2.72	**6.6**	<3.92	<2.72	<3.52	<6.80	**5430**	**10.5**	<1.94
SK-1999	NY-L	<50	<20	<20	<20	<20	<20	<20	<100	**62764.93**	**79.683**	<20
SK-1999	NY-L	<50	<20	<20	<20	<20	<20	<20	<100	**56781.19**	**51.605**	<20
SK-1999	NY-L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**3524.56**	**6.19**	<1.4
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**3120.64**	<2.0	<1.4
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**199.97**	<2.0	<1.4
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**427.92**	<2.0	<1.4
SK-1999	NY-S	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**75.13**	<2.0	<2.0
SK-1999	NY-S	<45.7	<18.4	<18.4	<18.4	<18.4	<18.4	<18.4	<91.5	**327000**	**741**	<18.3
SK-1999	NY-S	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	**129.37**	**0.53**	<0.28
SK-1999	NY-S	<2.00	<2.00	2.00	<2.00	<2.21	<2.00	<2.14	5.35	**22200**	**113**	<1.41
SK-1999	OR-C	<20	<20	<20	<20	<50	<20	<40	<50	**1000000**	<20	<15
SK-1999	SC-G	<20	<20	35.4	<20	<50	<20	<40	<50	**1000000**	**31.9**	<15
SK-1999	SD-S	<20	<20	<20	<20	<50	<20	<40	<50	**362000**	**73.4**	<15
SK-2000	CO-E	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1521**	<0.20	<0.14
SK-2000	GA-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**113.9**	<2.0	<1.4
SK-2000	GA-GC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	15.55	**649**	<2.0	<1.4
SK-2000	GA-MO	<0.40	<0.40	<0.40	0.94	**10.1**	<0.40	<0.80	<1.0	**94700**	**291**	<0.30
SK-2000	GA-N	<0.40	<0.40	<0.40	0.81	**18.9**	<0.40	<0.80	<1.0	**14200**	**2.4**	<0.30

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D041
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	KS-E	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**3203**	<2.0	<1.4
SK-2000	KS-W	<20	<20	<20	<20	<50	<20	<40	<50	**94600**	**22.1**	<15
SK-2000	LA-P	<2.0	<2.0	<2.0	<2.0	**8**	<2.0	<4.0	<5.0	**60400**	**7.3**	<1..5
SK-2000	MO-SC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**393**	<2.0	<1.4
SK-2000	ND-F	<20	<20	<20	<20	<50	<20	<40	<50	**72100**	**34.3**	<15
SK-2000	NE-GI	<20	<20	<20	<20	<50	<20	<40	124	**89100**	**84**	<15
SK-2000	NE-O	<20	<20	<20	<20	<50	<20	<40	<50	**137000**	**882**	<15
SK-2000	NM-A	<2.0	<2.0	<2.0	2.08	<2.60	<2.0	<2.40	5.44	**29200**	**212**	<1..42
SK-2000	SD-SF	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**183.8**	<0.20	<0.14
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**173.9**	<2.0	<1.4
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**156.7**	<2.0	<1.4

WASTE DRY CLEANER BOTTOMS

Total # of samples: 46

TCLP Volatiles Analysis (ppm)

	Variables	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D041
	Chemical	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
	Maximum	ND	ND	35.4	20	151.545	ND	ND	124	1000000	1200	ND
	Minimum	ND	ND	2	0.81	8	ND	ND	5.35	75.13	0.53	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	**14700**	**6.19**	ND
	50th Percentile									**47001.11**	**16.8**	

WASTE IMMERSION CLEANER

Total # of Samples: 54

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Code	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	GA-C	8.83	0.868	170	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-GC	9.72	0.9619	176	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-M	9.29	0.942	160	<5.00	<0.500	**1.75**	<0.500	<4.01	<0.040	<0.452	<0.500
SK-1999	GA-M	9.68	0.941	162	<5.00	<0.500	<0.500	<0.500	**11.9**	<0.100	<0.45	<0.500
SK-1999	GA-N	9.84	0.944	143	<5.00	<0.500	0.997	<0.500	**12.9**	<0.10	<0.45	<0.500
SK-1999	KS-DC	9.47	0.965	**120**	<5.00	0.747	**11.2**	0.858	**11.1**	<0.10	<0.45	<0.500
SK-1999	KS-E	9.51	0.9695	>200	<5.00	<0.500	<0.500	0.886	<4.01	<0.10	<0.45	<0.500
SK-1999	KS-W	9.54	0.921	160	<5.00	<0.500	<0.500	<0.500	**7.55**	<0.10	<0.45	<0.500
SK-1999	LA-K	10.29	0.968	160	<5.00	<0.500	**63.6**	**9.02**	**14.9**	<0.10	<0.45	<0.500
SK-1999	LA-P	9.82	0.918	155	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	MO-CO	9.66	0.962	>200	<5.00	<0.500	**1.48**	<0.500	**10.8**	<0.10	<0.45	<0.500
SK-1999	ND-B	9.60	0.9255	180	<5.00	<0.500	**2.08**	<0.500	**9.03**	<0.10	<0.45	<0.500
SK-1999	NE-GE	9.95	0.942	150	<5.00	<0.500	<0.500	0.937	<4.00	<0.040	<0.452	<0.500
SK-1999	NE-GI	9.90	0.959	146	<5.00	<0.500	4.84	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NE-O	9.26	0.939	154	<5.00	4.06	**66.8**	1.17	**817**	<0.10	<0.45	<0.500
SK-1999	NM-A	9.87	0.9719	147	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	10.21	0.889	168	<5.00	8.36	**2.35**	0.572	**12.1**	<0.10	<0.45	<0.500
SK-1999	NY-C	10.21	0.889	168	<5.00	8.34	**2.35**	0.572	**12.1**	<0.10	<0.45	<0.500
SK-1999	NY-L	10.37	0.926	>200	<5.00	0.526	0.821	<0.500	<4.00	<0.1	<0.45	<0.500
SK-1999	NY-NA	9.83	0.956	145	<5.00	<0.500	<0.500	<0.500	4.62	<0.10	<0.45	<0.500
SK-1999	NY-NA	9.98	0.924	163	<5.00	<0.500	<0.500	<0.500	**5.48**	<0.10	<0.45	<0.500
SK-1999	NY-NA	9.93	0.939	154	<5.00	<0.500	<0.500	<0.500	4.84	<0.10	<0.45	<0.500
SK-1999	NY-S	10.09	0.941	>200	<5.00	<0.500	<0.500	<0.500	<4.01	<0.100	<0.452	<0.500
SK-1999	NY-S	9.60	0.954	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-S	10.01	0.938	146	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	OR-C	9.77	0.952	146	<5.00	<0.500	**8.79**	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	SC-G	10.54	0.961	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.1	<0.45	<0.500
SK-1999	SD-S	9.80	0.925	>200	<5.00	<0.500	**16.3**	1.48	**71.5**	<0.10	<0.45	<0.500
SK-1999	SD-S	9.62	0.968	158	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	TX-D	10.21	1.0726	>200	<5.00	<0.500	**7.41**	**6.88**	**12.8**	<0.100	<0.452	<0.500
SK-1999	UT-S	9.72	0.884	144	<5.00	<0.500	**3.7**	<0.500	**30.9**	<0.10	<0.45	<0.500
SK-1999	UT-SLC	9.47	0.944	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	CA-SAL	9.76	0.97	150	<5.00	<0.500	**1.07**	<0.500	**7.42**	<0.10	<0.45	<0.500
SK-2000	[illegible]-E	7.37	0.95	158	<5.00	<0.500	**1.13**	<0.500	<4.00	<0.10	<0.45	<0.500

WASTE IMMERSION CLEANER

Total # of Samples: 54

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Code	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	GA-C	10.43	0.9213	164	<5.00	<0.500	<0.500	0.589	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-GC	10.30	0.961	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	GA-M	10.07	0.948	>200	<5.00	<0.500	**123**	1.61	**21.2**	<0.10	<0.45	<0.500
SK-2000	GA-M	9.96	0.8527	>200	<5.00	<0.500	<0.500	<0.500	4.42	<0.10	<0.45	<0.500
SK-2000	GA-N	10.17	0.9397	**128**	<5.00	<0.500	**2.84**	0.566	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-DC	9.26	0.946	>200	<5.00	0.768	**9.29**	0.653	**38.3**	<0.10	<0.45	<0.500
SK-2000	KS-E	9.70	0.927	>200	<5.00	**131**	**1.41**	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-W	8.74	0.949	155	<5.00	0.649	**20.8**	2.28	**343**	0.163	<0.008	2.81
SK-2000	LA-P	9.49	0.9467	>200	<5.00	<0.500	<0.500	<0.500	<4.00	0.178	<0.45	<0.500
SK-2000	MO-SC	8.90	0.9369	>200	<5.00	<0.500	0.735	0.658	**92.4**	<0.10	<0.45	<0.500
SK-2000	ND-F	10.30	0.932	155	<5.00	<0.500	**19.91**	<0.500	4.92	<0.040	<0.008	<0.500
SK-2000	NE-G	9.51	0.94	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NE-GI	10.00	0.957	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NE-O	9.60	0.929	142	<5.00	0.543	**27.6**	4.95	**140**	<0.040	<0.008	<0.500
SK-2000	NM-A	9.60	0.926	145	<5.00	<0.500	**30.6**	1.66	**51**	<0.040	<0.008	<0.500
SK-2000	SC-G	9.82	0.9613	>200	<5.00	<0.500	0.662	<0.500	**113**	<0.10	<0.45	<0.500
SK-2000	SC-G	9.82	0.9613	>200	<5.00	<0.500	0.662	<0.500	**113**	<0.10	<0.45	<0.500
SK-2000	SD-SF	10.00	0.94	>200	<5.00	<0.500	**3.89**	0.871	**42.5**	<0.10	<0.45	<0.500
SK-2000	SD-SF	10.38	0.9362	153	<5.00	<0.500	**2.51**	0.584	**20.5**	<0.10	<0.45	<0.500
SK-2000	TX-D	8.52	0.986	>200	<5.00	0.735	<0.500	<0.500	**5.62**	<0.100	<0.45	<0.500
	Maximum	10.54	1.07	>200	ND	131.00	123.00	9.02	817.00	0.18	0.00	ND
	Minimum	7.37	0.85	120	ND	0.526	0.662	0.566	4.42	0.163	0	ND
	90th UCL for	9.92	0.95	148	ND	ND	**2.35**	ND	**9.03**	ND	ND	ND
	50th Percentile	9.87		160			**1.48**	<0.500	**9.03**			

WASTE IMMERSION CLEANER

Total # of Samples: 54

TCLP Semi Volatiles Analysis (ppm)

	Waste Code	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	GA-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-GC	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-M	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-M	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-N	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	KS-DC	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	KS-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	KS-W	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	LA-K	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	LA-P	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	MO-CO	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	ND-B	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-GE	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-GI	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-O	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NM-A	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	OR-C	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SC-G	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SD-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	SD-S	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	TX-D	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	UT-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	UT-SLC	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-2000	CA-SAL	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	[illegible]-E	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200

WASTE IMMERSION CLEANER

Total # of Samples: 54

TCLP Semi Volatiles Analysis (ppm)

	Waste Code	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	GA-GC	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-M	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	GA-M	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	GA-N	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	KS-DC	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	KS-E	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	KS-W	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	LA-P	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	MO-SC	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	ND-F	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	NE-G	<400	<110	<170	<200	<200	<200	<200	<210	<200	<200
SK-2000	NE-GI	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	NE-O	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	NM-A	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	SC-G	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	SC-G	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	SD-SF	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	SD-SF	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	TX-D	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
	Maximum	0.00	ND	ND	ND	ND	0.00	ND	ND	ND	ND
	Minimum	0	ND	ND	ND	ND	0	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE IMMERSION CLEANER

Total # of Samples: 54

TCLP Volatiles Analysis (ppm)

	Waste Code	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	GA-C	<2.0	<2.0	7.9	<2.0	**136.0**	<2.0	<4.0	38.6	**67.8**	**11.7**	<1.5
SK-1999	GA-GC	<5.00	<2.00	5.38	<2.00	**190.0**	<2.00	<2.00	<10.00	**14.2**	<2.00	<2.00
SK-1999	GA-M	<5.0	<2.0	6.059		**115.8**	<2.0	<2.0	<10.0	**19.82**	**5.09**	<2.0
SK-1999	GA-M	<2.0	<2.0	9.8	<2.0	**154.0**	<2.0	<4.0	7.3	**99.4**	**5.6**	<1.5
SK-1999	GA-N	**4.4**	<2.0	18.8	<2.0	**553.0**	<2.0	<4.0	9.3	**161.0**	**17.5**	<1.5
SK-1999	KS-DC	<2.0	<2.0	11.9	<2.0	**381.0**	<2.0	<4.0	<5.0	**61.9**	**7.9**	<1.5
SK-1999	KS-E	<50	<20	41.897	<20	**222.5**	<20	<20	<100	**52.881**	<20	<20
SK-1999	KS-W	<5.0	<2.0	8.43	<2.0	**143.0**	<2.0	<2.0	11.86	**67**	**3.84**	<2.0
SK-1999	LA-K	<5.0	<2.0	7.14	<2.0	**126.0**	<2.0	<2.0	38.8	**22.9**	**4.33**	<2.0
SK-1999	LA-P	**2.8**	<2.0	11.5	<2.0	**264.0**	<2.0	<4.0	<5.0	**91.5**	**5.6**	<1.5
SK-1999	MO-CO	<2.0	<2.0	15	<2.0	**267.0**	<2.0	<4.0	<5.0	**121.0**	**7.8**	<1.5
SK-1999	ND-B	<5.0	<2.0	12.41	<2.0	**139.0**	<2.00	<2.00	11.565	**151.761**	**15.122**	<2.0
SK-1999	NE-GE	<5.0	<2.0	7.441	<2.0	**86.8**	<2.0	<2.0	<10.0	**87.47**	**5.64**	<2.0
SK-1999	NE-GI	<5.0	<2.0	13.4	<2.0	**138.0**	<2.0	<2.0	99.7	**153**	**14.4**	<2.0
SK-1999	NE-O	<2.0	<2.0	22.6	<2.0	**456.0**	<2.0	<4.0	14.3	**156**	**9.2**	<1.5
SK-1999	NM-A	<5.0	<2.0	7.577	<2.0	**118.4**	<2.00	<2.00	37.584	**20.553**	**16.378**	<2.00
SK-1999	NY-C	<20	<20	57.2	<20	<500	<20	<40	82.1	<200	**38.5**	<15
SK-1999	NY-C	<20	<20	57.2	<20	<500	<20	<40	82.1	<200	**38.5**	<15
SK-1999	NY-L	<2.0	<2.0	26.2	<2.0	**351.0**	<2.0	<4.0	14.1	**223.0**	**19.2**	<1.5
SK-1999	NY-NA	<2.0	<2.0	12.3	<2.0	**134.0**	<2.0	<4.0	16.1	**112**	**17.5**	<1.5
SK-1999	NY-NA	<2.0	<2.0	11.6	<2.0	**178.0**	<2.0	<4.0	18.1	**108**	**16**	<1.5
SK-1999	NY-NA	<2.0	<2.0	11.3	<2.0	**243.0**	<2.0	<4.0	25.3	**99.4**	**16.2**	<1.5
SK-1999	NY-S	<2.0	<2.0	24.1	<2.0	**494.0**	<2.0	<4.0	15.2	**131.0**	**16.0**	<1.5
SK-1999	NY-S	<2.0	<2.0	8.6	<2.0	**307.0**	<2.0	<4.0	<5.0	**57.8**	**14.1**	<1.5
SK-1999	NY-S	<2.0	<2.0	17.7	<2.0	**372.0**	<2.0	<4.0	13.6	**90.5**	**12.0**	<1.5
SK-1999	OR-C	<2.0	<2.0	4.9	<2.0	**144.0**	<2.0	<4.0	7.3	**322.0**	**2.3**	<1.5
SK-1999	SC-G	<2.0	<2.0	13.8	<2.0	**248.0**	<2.0	<4.0	<5.0	**81.6**	**5.0**	<1.5
SK-1999	SD-S	<50	<20	45.5	<20	**278.0**	<20	<20	<100	**393**	<20	<20
SK-1999	SD-S	<2.0	<2.0	12	<2.0	**162.0**	<2.0	<4.0	17.2	**171.0**	**14.3**	<1.5
SK-1999	TX-D	<0.20	<0.20	0.28	<0.20	3.3	<0.20	<0.20	1.48	0.52	<0.20	<0.14
SK-1999	UT-S	<20	<20	<20	<20	**710.0**	<20	<40	<50	**185**	<20	<15
SK-1999	UT-SLC	<2.0	<2.0	11.5	<2.0	**290.0**	<2.0	<4.0	<5.0	**72.6**	**2.8**	<1.5
SK-2000	CA-SAL	<2.0	<2.0	<2.0	<2.0	**84.7**	<2.0	<4.0	<5.0	**193.0**	**23.4**	<1.5
SK-2000	CO-E	**2.1**	<2.0	5.3	<2.0	**168.0**	<2.0	<4.0	<5.0	**31.8**	**8.8**	<1.5

WASTE IMMERSION CLEANER

Total # of Samples: 54

TCLP Volatiles Analysis (ppm)

	Waste Code	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	GA-C	<0.80	<0.80	9.2	<0.80	**131.0**	<0.80	<1.6	9.3	**393.0**	**26.9**	<0.60
SK-2000	GA-GC	<0.20	<0.20	19.1	<0.20	**224.0**	<0.20	<0.40	2	**382.0**	**7.6**	<0.15
SK-2000	GA-M	0.31	<0.20	8.6	<0.20	**298.0**	<0.20	<0.40	3.8	**304.0**	**71.6**	<0.15
SK-2000	GA-M	0.25	<0.20	8.8	<0.20	**87.3**	<0.20	<0.40	10	**370.0**	**18.3**	<0.15
SK-2000	GA-N	<2.0	<2.0	9.167	<2.0	**49.2**	<2.0	<4.0	6.994	**350.7**	**15.1**	<1.5
SK-2000	KS-DC	**5.4**	<2.0	12.7	<2.0	**209.0**	<2.0	<4.0	<5.0	**363.0**	**7.1**	<1.5
SK-2000	KS-E	<2.0	<2.0	13.3	<2.0	**206.0**	<2.0	<4.0	<5.0	**50.2**	<2.0	<1.5
SK-2000	KS-W	**3**	<2.0	4.5	<2.0	**188.0**	<2.0	<4.0	<5.0	**34.8**	**2.0**	<1.5
SK-2000	LA-P	**4.3**	<2.0	11.1	<2.0	**265.0**	<2.0	<4.0	<5.0	**60.5**	**5.6**	<1.5
SK-2000	MO-SC	<2.0	<2.0	3.6	<2.0	**264.0**	<2.0	<4.0	<5.0	**4.2**	<2.0	<1.5
SK-2000	ND-F	<2.0	<2.0	14.6	<2.0	**176.0**	<2.0	<4.0	5.3	**344.0**	**16.6**	<1.5
SK-2000	NE-G	<2.0	<2.0	14.6	<2.0	**279.0**	<2.0	<4.0	<5.0	**166.0**	**18.2**	<1.5
SK-2000	NE-GI	<2.0	<2.0	4.5	<2.0	**61.0**	<2.0	<4.0	<5.0	**82.3**	**21.5**	<1.5
SK-2000	NE-O	<2.0	<2.0	16.8	<2.0	**424.0**	<2.0	<4.0	<5.0	**1170.0**	**6.8**	<1.5
SK-2000	NM-A	**6.8**	<2.0	10.6	<2.0	**219.0**	<2.0	<4.0	<5.0	**36.0**	**3.8**	<1.5
SK-2000	SC-G	<0.20	<0.20	6.2	<0.20	**39.8**	<0.20	<0.40	5.5	**193.0**	**18.0**	<0.15
SK-2000	SC-G	<0.20	<0.20	6.2	<0.220	**39.8**	<2.0	<4.0	5.5	**193.0**	**18.0**	<0.15
SK-2000	SD-SF	**4.2**	<2.0	8.8	<2.0	**105.0**	<2.0	<4.0	5.4	**240.0**	**17.7**	<1.5
SK-2000	SD-SF	**4**	<2.0	7.3	<2.0	**137.0**	<2.0	<4.0	15	**163.0**	**35.5**	<1.5
SK-2000	TX-D	<2.0	<2.0	9.9	<2.0	**159.0**	<2.0	<4.0	<5.0	**61.1**	**3.6**	<1.5
	Maximum	6.80	ND	57.20	ND	710.00	ND	ND	99.70	1170.00	71.60	ND
	Minimum	0.25	ND	0.28	ND	3.29	ND	ND	1.48	0.52	2.00	ND
	90th UCL for	ND	ND	ND	ND	**257**	ND	ND	ND	**87.47**	**12.0**	ND
	50th Percentile					**224.0**				**153**	**15.1**	

PAINT WASTES OTHER

Total # of Samples: 52

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Code:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-199	CO-E	4.82	0.838	<70	<5.00	2.66	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	GA-M	6.91	0.921	160	<0.500	3.07	0.59	0.36	2.7	<0.0008	<0.75	<0.05
SK-199	GA-N	7.35	0.866	69	<5.00	184	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	KS-E	6.83	0.791	158	<5.00	4.76	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	KS-E	6.98	0.812	144	<5.00	1.38	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	KS-E	8.72	0.837	69	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	KS-W	5.72	0.874	69	<5.00	6.32	<0.50	0.73	<4.0	<0.10	<0.45	<0.50
SK-199	LA-K	7.52	0.833	69	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	LA-K	7.68	0.865	69	<5.00	13.6	<0.500	23.60	<4.00	<0.10	<0.45	<0.500
SK-199	LA-K	7.68	0.865	69	<5.00	13.6	<0.500	23.6	<4.00	<0.10	<0.45	<0.500
SK-199	LA-P	4.99	0.839	69	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	LA-P	4.51	0.905	69	<5.00	19.3	<0.500	3.38	7.05	<0.10	<0.45	<0.500
SK-199	MO-C	6.38	0.909	69	<5.00	26.7	<0.500	0.813	<4.00	<0.10	<0.45	<0.500
SK-199	ND-B	6.81	0.787	146	<5.00	0.61	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	NE-GI	6.67	0.867	69	<5.00	25.3	<0.500	1.27	<4.00	<0.100	<0.452	<0.500
SK-199	NE-O	5.68	0.882	69	<5.00	371	<0.500	36.3	33.3	<0.10	<0.45	<0.500
SK-199	NM-A	5.2	1.2328	110	<0.500	0.691	0.499	<0.050	0.638	<0.0008	<0.750	<0.050
SK-199	NM-A	5.09	0.8672	<70	<5.00	43.4	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	NY-AV	6.08	0.924	69	<5.00	35.6	<0.500	1.88	<4.00	<0.10	<0.45	<0.500
SK-199	NY-AV	7.82	0.883	69	<5.00	2.8	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-199	NY-C	4.78	1.092	<70	<5.00	58.8	<0.500	7.04	13.3	<0.10	<0.45	<0.500
SK-199	NY-C	6.25	0.916	<70	<5.00	74.4	<0.500	41.8	34.5	<0.100	<0.452	<0.500
SK-199	NY-C	6.69	0.899	<70	<5.00	337	<0.500	89.7	376	<0.100	<0.452	<0.500
SK-199	NY-L	5.8	0.878	69	<5.00	6.3	<0.500	2.54	<4.00	<0.10	<0.45	<0.500
SK-199	NY-L	6.9	0.815	69	<5.00	0.942	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-199	NY-L	6.65	0.816	69	<5.00	1.26	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-199	NY-NA	7.36	0.867	69	<5.00	5.72	<0.500	65.3	162	<0.10	<0.45	<0.500
SK-199	NY-NA	8.45	0.864	69	<5.00	3.61	<0.500	0.58	6.89	<0.10	<0.45	<0.500
SK-199	NY-NA	7.08	0.922	69	<5.00	52	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	NY-S	7.55	0.838	69	<5.00	0.561	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	NY-S	6.56	0.846	69	<5.00	<0.500	<0.500	6.05	10.3	<0.10	<0.45	<0.500
SK-199	NY-S	6.76	0.702	<70	<5.00	91.1	<0.500	27.3	<4.00	<0.10	<0.45	<0.500
SK-199	OR-C	5.42	0.835	69	<5.00	33.3	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-199	SC-G	5.91	0.921	<70	<5.00	<0.500	<0.500	0.568	<4.00	<0.100	<0.45	<0.500

PAINT WASTES OTHER

Total # of Samples: 52

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Code:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-199	SD-SF	6.86	0.858	69	<5.00	14.3	<0.500	18.2	76.2	<0.10	<0.45	<0.500
SK-199	TX-D	5.61	0.885	<70	<5.00	1.39	<0.500	5.13	7.59	<0.10	<0.452	<0.500
SK-199	UT-SLC	6.19	0.851	69	<5.00	4.08	<0.500	3	12.4	<0.10	<0.45	<0.500
SK-199	UT-SLC	5.1	0.9382	69	<5.00	496	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200	GA-C	2.98	0.8341	69	<5.00	2.59	<0.500	0.737	<4.00	<0.10	<0.45	<0.500
SK-200	GA-N	7.4	0.9053	69	<5.00	3.49	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200	KS-E	4.1	0.935	69	<0.770	3.11	<0.077	3.97	16.0	<0.003	<0.705	<0.077
SK-200	KS-W	6.62	0.853	69	<5.00	1.3	<0.500	2.47	<4.00	<0.040	<0.008	<0.500
SK-200	LA-P	5.89	0.88	69	<5.00	3.5	1.39	0.514	<4.00	<0.10	<0.45	<0.500
SK-200	LA-P	5.8	0.9369	69	<5.00	4.09	<0.500	2.53	8.97	<0.10	<0.45	0.881
SK-200	MO-SC	6.08	0.8359	69	<5.00	756	<0.500	3.51	<4.00	<0.10	<0.45	<0.500
SK-200	NE-GI	5.03	0.843	69	<5.00	9.18	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200	NE-O	5.2	0.9	69	<5.00	18.3	<0.500	7.28	<4.00	<0.040	<0.008	<0.500
SK-200	NM-A	6.00	0.87	69	<5.00	81.6	<0.500	1.56	<4.00	<0.10	<0.45	<0.500
SK-200	SC-G	4.48	0.8678	69	<5.00	28.3	<0.500	2.04	<4.00	<0.10	<0.45	<0.500
SK-200	TX-D	7.33	0.848	<70	<5.00	12.3	<0.500	9.59	41.1	<0.10	<0.45	<0.500
SK-200	UT-SLC	7.42	0.8867	69	<5.00	2.07	<0.050	<0.050	<0.400	<0.002	<0.750	<0.050
SK-200	UT-SLC	5.99	0.864	69	<5.00	2.23	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
	Maximum	8.72	1.2328	160	ND	756	1.39	89.7	376	ND	ND	ND
	Minimum	2.98	0.702	69	ND	0.561	0.499	0.357	0.638	ND	ND	ND
	90th UCL for	6.65	0.878	<70	ND	16.5	ND	2.54	6.65	ND	ND	ND
	50th Percentile			69		13.6		2.04	7.05			

PAINT WASTES OTHER

Total # of Samples: 52

TCLP Semi Volatiles Analysis (ppm)

	Waste Code	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-199	CO-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	GA-M	<.609	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-199	GA-N	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	KS-E	<4.9	<0.10	<0.005	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-199	KS-E	<4.9	<0.10	<0.005	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-199	KS-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	KS-W	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	LA-K	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	LA-K	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	LA-K	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	LA-P	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	LA-P	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	MO-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	ND-B	<4.9	<0.10	<0.005	0.024	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-199	NE-GI	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NE-O	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NM-A	0.498	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-199	NM-A	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-AV	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-199	NY-AV	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-199	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-199	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-199	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-199	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	OR-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	SC-G	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86

PAINT WASTES OTHER

Total # of Samples: 52

TCLP Semi Volatiles Analysis (ppm)

	Code	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2.4.5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
SK-199	SD-SF	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	TX-D	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	UT-SLC	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-199	UT-SLC	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-200	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	GA-N	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	KS-E	<25.0	<2.49	<2.49	<12.5	<12.5	<12.5	<12.5	<13.1	<12.5	<12.5
SK-200	KS-W	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-200	LA-P	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	LA-P	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	MO-SC	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	NE-GI	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	NE-O	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	NM-A	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	SC-G	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-200	TX-D	<400	<110	<170	<200	<200	<200	<200	<210	<200	<200
SK-200	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-200	UT-SLC	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
	Maximum	0.498	ND	ND	0.024	ND	ND	ND	ND	ND	ND
	Minimum	0.498	ND	ND	0.024	ND	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

PAINT WASTES OTHER

Total # of Samples: 52

TCLP Volatiles Analysis (ppm)

	Waste Code	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-199	CO-E	148	<20	<20	<20	<50	<20	<40	136000	38.1	40.5	<15
SK-199	GA-M	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.68	<0.20	<0.14
SK-199	GA-N	61.4	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	9980	<2.0	<2.0	<1.5
SK-199	KS-E	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	34.3	939	390	<2.0
SK-199	KS-E	<50	<20	<20	<20	<20	<20	<20	<100	1081	85.5	<20
SK-199	KS-E	51.42	<2.00	<2.00	8.755	<2.00	<2.00	<2.00	32060.53	159.029	162.091	<2.0
SK-199	KS-W	29.2	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	33706	8.35	4.79	<2.0
SK-199	LA-K	88.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	32680	36.3	21.3	<2.0
SK-199	LA-K	163	<20	<20	<20	<20	<20	<20	522	<25	<20	<20
SK-199	LA-K	163.337	<20	<20	<20	<20	<20	<20	5222.086	<25	<20	<20
SK-199	LA-P	193	<2.00	<2.00	<2.00	<5.0	<2.0	<4.0	47500	31.5	38.5	<1.5
SK-199	LA-P	67.3	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	17100	5.0	<2.0	<1.5
SK-199	MO-C	62.8	<20	<20	<20	<50	<20	<40	12900	<20	<20	<15
SK-199	ND-B	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	287	13.1	<2.0
SK-199	NE-GI	18.639	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	23318.55	5.947	<2.0	<2.0
SK-199	NE-O	82	<20	<20	<20	<50	<20	<40	50300	35.6	62.4	<15
SK-199	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.91	2.4	<0.20	<0.14
SK-199	NM-A	34.1	<20	<20	<20	<20	<20	<20	41400	35.4	<20	<15
SK-199	NY-AV	112	<20	<20	<20	<50	<20	<40	79200	62.6	<20	<15
SK-199	NY-AV	19.2	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	36600	<2.0	<2.0	<1.5
SK-199	NY-C	55.77	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	16172.41	9.052	<2.0	<2.0
SK-199	NY-C	13.89	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	13562.64	3.843	<2.0	<2.0
SK-199	NY-C	26.206	<2.0	6.197	<2.0	<2.0	<2.0	<2.0	12304.14	3.808	5.586	<2.0
SK-199	NY-L	10.1	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	30900	100	<2.0	<1.5
SK-199	NY-L	<20	<20	<20	<20	<50	<20	<40	15400	<20	<20	<15
SK-199	NY-L	<20	<20	<20	<20	<50	<20	<40	16400	<20	<20	<15
SK-199	NY-NA	59.7	<20	<20	<20	<20	<20	<20	4470	254	<20	<15
SK-199	NY-NA	212	<20	<20	<20	<20	<20	<20	30800	24.5	32	<15
SK-199	NY-NA	641	<20	<20	<20	<20	<20	<20	1640	24.5	<20	<15
SK-199	NY-S	40.8	<2.00	<2.00	<2.00	<5.0	<2.0	<4.0	28600	<2.0	<2.0	<1.5
SK-199	NY-S	57.6	<2.0	35.8	<2.0	<5.0	<2.0	<4.0	22300	16.4	2.6	<1.5
SK-199	NY-S	37.4	<20	<20	<20	<50	<20	<40	4040	<20	<20	<15
SK-199	OR-C	226	<20	<20	<20	<50	<20	<40	189000	74.8	52.6	<15
SK-199	SC-G	111	<20	<20	<20	<50	<20	<40	9400	156	47.8	<15

PAINT WASTES OTHER

Total # of Samples: 52

TCLP Volatiles Analysis (ppm)

	Waste Code	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-199	SD-SF	**62.375**	<20	<20	<20	<20	<20	<20	**93513.63**	**124.831**	**125.77**	<20
SK-199	TX-D	**21.753**	<2.00	<2.00	<2.00	<2.00	<2.00	<2.00	**17579.73**	**4.63**	**43.368**	<2.0
SK-199	UT-SLC	**129**	<20	<20	<20	<50	<20	<40	**33800**	**62.1**	<20	<15
SK-199	UT-SLC	**384**	<20	<20	<20	<50	<20	<40	**5250**	<20	<20	<15
SK-200	GA-C	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**56700**	<2.0	<1.5	
SK-200	GA-N	**15.59**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**33320**	<4.0	<4.0	<2.8
SK-200	KS-E	**1.95**	<1.39	<1.39	<1.39	<3.19	<1.39	<2.59	**1720**	**4.0**	**4.0**	<1.03
SK-200	KS-W	**48**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**14900**	**19.2**	**15.0**	<1.5
SK-200	LA-P	**64.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**28200**	**5.6**	<2.0	<1.5
SK-200	LA-P	**78.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**22400**	**10.6**	<2.0	<1.5
SK-200	MO-SC	**8.6**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**15900**	<2.0	<2.0	<1.5
SK-200	NE-GI	**81.6**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**24300**	**124**	**84.1**	<1.5
SK-200	NE-O	**90.3**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**18800**	**101**	**98.6**	<1.5
SK-200	NM-A	<20	<20	<20	<20	<50	<20	<40	**13300**	**291**	<20	<15
SK-200	SC-G	**60.2**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**26300**	**77.8**	**188**	<1.5
SK-200	TX-D	**30.4**	<20	<20	<20	<50	<20	<40	**21500**	<20	<20	<15
SK-200	UT-SLC	0.465	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**4808**	<0.20	<0.20	<0.14
SK-200	UT-SLC	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**736.1**	<4.0	<4.0	<2.8
	Maximum	641	ND	35.8	8.755	0	ND	ND	189000	1081	390	ND
	Minimum	0.465	ND	6.197	8.755	0	ND	ND	0.91	0.68	2.6	ND
	90th UCL for	**131**	ND	ND	ND	ND	ND	ND	**19100**	**11**		ND
	50th Percentile	**61.4**							**23318.55**	**24.5**		

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	CO-E	5.18	0.884	**69**	<5.00	29	<0.500	**15.9**	**45.3**	<0.10	<0.45	<0.500
SK-1999	FL-BB	4.61	0.853	**69**	<5.00	1.46	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	FL-M	5.94	0.87	**69**	<5.00	<0.500	0.588	1.87	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-C	4.00	0.846	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-C	6.2	0.906	**69**	<5.00	1.48	<0.500	**116**	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-N	4.82	0.859	**69**	<5.00	10.8	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-E	6.99	0.8615	**69**	<5.00	68.4	<0.500	1.77	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-W	7.88	0.831	**69**	<5.00	1.59	0.52	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	MO-C	4.53	0.838	**69**	<5.00	0.643	<0.500	1.23	**5.15**	<0.10	<0.45	<0.500
SK-1999	NE-GI	4.44	0.841	**<70**	<5.00	6.09	<0.500	1.15	<4.00	<1.0	<0.452	<0.500
SK-1999	NE-O	5.02	0.839	**69**	<5.00	18.2	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NM-A	4.66	0.8268	**69**	<5.0	1.43	<0.50	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-A	4.25	0.862	**69**	<5.00	1.86	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-AV	4.35	0.871	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	NY-AV	4.54	0.904	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	NY-C	8.39	0.823	**69**	<5.00	11.2	<0.500	2.15	**9.08**	<0.10	<0.45	<0.500
SK-1999	NY-L	7.49	0.865	**69**	<5.00	3.63	<0.500	10.7	**44.9**	<0.100	<0.452	<0.500
SK-1999	NY-L	7.58	0.89	**69**	<5.00	3.02	<0.500	**12**	**53.2**	<0.100	<0.452	<0.500
SK-1999	NY-L	3.9	0.859	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	NY-NA	9.44	1.02	**69**	<5.00	1.25	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-NA	4.4	0.876	**69**	<5.00	2.86	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-NA	5.85	0.862	**69**	<5.00	9.01	<0.500	**30**	**141**	<0.10	<0.45	<0.500
SK-1999	NY-S	4.03	0.832	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.45	<0.45	<0.500
SK-1999	NY-S	4.52	0.833	**75**	<5.00	<0.500	<0.500	<0.500	4.07	<0.45	<0.45	<0.500
SK-1999	NY-S	4.00	0.84	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.45	<0.45	<0.500
SK-1999	OR-C	4.02	0.846	**69**	<5.00	1.61	<0.500	1.14	<4.00	<0.10	<0.45	<0.500
SK-1999	SC-G	5.3	0.857	**<70**	<5.00	1.55	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-1999	SD-S	6.86	0.858	**69**	<5.00	14.3	<0.500	**18.2**	**76.2**	<0.10	<0.45	<0.500
SK-1999	SD-S	4.85	0.851	**69**	<5.00	3.57	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	TX-D	5.19	0.8108	**<70**	<5.00	<0.500	<0.500	2.71	**10.8**	<0.100	<0.452	<0.500
SK-1999	UT-SLC	6.86	0.843	**69**	<5.00	**103**	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	UT-SLC	7.06	0.843	**69**	<5.00	6.09	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	GA-C	7.51	0.8565	**69**	<5.00	1.12	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	GA-N	4.6	0.8345	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		Physical Properties			TCLP Metals Analysis (ppm)							
	Regulatory Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	KS-E	5.2	0.843	**69**	<5.00	0.904	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-W	5.75	0.844	**69**	<5.00	8.22	<0.500	1.9	<4.00	<0.040	<0.008	<0.500
SK-2000	LA-P	6.75	0.86	**69**	<5.00	8.64	<0.500	**5.73**	**16.9**	<0.10	<0.45	<0.500
SK-2000	MO-SC	5.28	0.8119	**69**	<5.00	3.8	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	NE-GI	6.5	0.869	**69**	<5.00	**846**	<0.500	**11.1**	**29.4**	<0.10	<0.45	<0.500
SK-2000	NE-O	4.7	0.87	**69**	<5.00	3.29	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	SC-G	7.23	0.9015	**69**	<5.00	24.8	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	SD-SF	4.4	0.87	**69**	<5.00	5.58	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	SD-SF	4.58	0.8341	**69**	<5.00	2.36	<0.500	0.603	<4.00	<0.10	<0.45	<0.500
SK-2000	TX-D	4.33	0.868	**<70**	<5.00	0.594	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	FL-BB	4.56	0.8778	**69**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	UT-SLC	6.34	1.0047	**69**	<0.500	4.25	<0.050	<0.050	<0.400	<.0008	<0.750	<0.050
SK-2000	UT-SLC	4.13	0.872	**69**	<5.00	<0.500	<0.500	3.85	<4.00	<0.10	<0.45	<0.500

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
	Maximum	9.44	1.02	75	ND	846	0.588	116	141	ND	ND	ND
	Minimum	3.9	0.8108	69	B	0.594	0.52	0.603	4.07	ND	ND	ND
	90th UCL for	5.09	0.86	**69**	ND	2.73	ND	0.509	ND	ND	ND	ND
	50th Percentile	5.28		**69**		3.29		<0.500				

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		TCLP Semi Volatiles Analysis (ppm)									TCLP Vc
	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	CO-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	FL-BB	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	FL-M	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	GA-N	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	KS-E	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	KS-W	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	MO-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-GI	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NE-O	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NM-A	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-A	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-AV	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-AV	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-C	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	NY-L	<10	<0.13	<0.0050	<0.020	0.20033	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-NA	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	NY-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	OR-C	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SC-G	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	SD-S	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	SD-S	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	TX-D	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	UT-SLC	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	UT-SLC	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-N	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		TCLP Semi Volatiles Analysis (ppm)									TCLP Vc
	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	KS-E	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	KS-W	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
SK-2000	LA-P	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	MO-SC	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	NE-GI	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	NE-O	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	SC-G	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	SD-SF	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	SD-SF	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	TX-D	<400	<110	<170	<200	<200	<200	<200	<210	<200	<200
SK-2000	FL-BB	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	UT-SLC	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		TCLP Semi Volatiles Analysis (ppm)									TCLP Vc
	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
	Maximum	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Minimum	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PAINT GUN CLEANER

Total # of Samples: 47

		ılatiles Analysis (ppm)										
	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	CO-E	24.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	22200	2.5	3.8	<1.5
SK-1999	FL-BB	62	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	34200	54.0	52.4	<1.5
SK-1999	FL-M	43.3	<20	<20	<20	<50	<20	<40	44800	37.5	32.5	<15
SK-1999	GA-C	85.9	<2.0	<2.0	3	<5.0	<2.0	<4.0	58400	115.0	131.0	<1.5
SK-1999	GA-C	22.5	<20	<20	<20	<50	<20	<40	16200	<20	<20	<15
SK-1999	GA-N	58.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	51000	67.9	54.8	<1.5
SK-1999	KS-E	<50	<20	<20	<20	<20	<20	<20	8766.214	33.6	<20	<20
SK-1999	KS-W	102	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	31905	70.1	33.1	<2.0
SK-1999	MO-C	71.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	33700	70.4	63.8	<1.5
SK-1999	NE-GI	45.945	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	35402.95	128.825	163.618	<2.0
SK-1999	NE-O	119	<20	<20	<20	<50	<20	<40	178000	648.0	352.0	<15
SK-1999	NM-A	91.078	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	12994.8	37.2	25.3	<2.0
SK-1999	NY-A	74.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	29200	87.0	73.4	<1.5
SK-1999	NY-AV	61.9	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	39500	98.5	107.0	<1.5
SK-1999	NY-AV	68.7	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	41700	94.4	95.3	<1.5
SK-1999	NY-C	107	<20	<20	<20	<20	<20	<20	115000	172	144	<15
SK-1999	NY-L	39.2	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	26900	23.4	20.0	<1.5
SK-1999	NY-L	35.8	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	26900	21.6	19.6	<1.5
SK-1999	NY-L	125	<2.0	<2.0	3.1	<5.0	<2.0	<4.0	43900	161.0	243.0	<1.5
SK-1999	NY-NA	2080	<20	<20	<20	<50	44.5	<40	28500	<20	20.5	<15
SK-1999	NY-NA	165	<2.0	<2.0	3.8	<5.0	8	<4.0	43000	161.0	305.0	<1.5
SK-1999	NY-NA	83.6	<2.0	<2.0	<2.0	<5.0	2.1	<4.0	33500	91.3	86.9	<1.5
SK-1999	NY-S	104	<2.0	<2.0	4.5	<5.0	<2.0	<4.0	58700	131.0	72.5	<1.5
SK-1999	NY-S	102	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	21700	78.8	92.8	<1.5
SK-1999	NY-S	111	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	52800	51.2	57.7	<1.5
SK-1999	OR-C	490	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	30600	57.2	86.8	<1.5
SK-1999	SC-G	46.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	25900	30.4	37.2	<1.5
SK-1999	SD-S	62.375	<20	<20	<20	<20	<20	<20	93513.63	124.831	125.77	<20
SK-1999	SD-S	130	<20	<20	<20	<50	<20	<40	148000	121.0	103.0	<15
SK-1999	TX-D	49.595	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	18478.57	15.2	8.6	<2.0
SK-1999	UT-SLC	142	<20	<20	<20	<50	<20	<40	71700	20.2	25.6	<15
SK-1999	UT-SLC	233	<20	<20	<20	<50	<20	<40	199000	425.0	33.3	<15
SK-2000	GA-C	<40	<40	<40	<40	<100	<40	<80	3180	<40.0	<40.0	<30.0
SK-2000	GA-N	65.21	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	42290	56.9	89.6	<5.6

WASTE PAINT GUN CLEANER

Total # of Samples: 47

ılatiles Analysis (ppm)

	Waste Codes	D016	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	KS-E	**44.3**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**25500**	**44.6**	**39.1**	<1.5
SK-2000	KS-W	**69**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**25200**	**73.8**	**61.1**	<1.5
SK-2000	LA-P	**94.1**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**31700**	**179.0**	**84.7**	<1.5
SK-2000	MO-SC	**53.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**32300**	**45.3**	**62.5**	<1.5
SK-2000	NE-GI	**64.2**	<20	<20	<20	<50	<20	<40	**67500**	**231.0**	**53.5**	<15
SK-2000	NE-O	**75**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**22700**	**102.0**	**113.0**	<1.5
SK-2000	SC-G	**65.8**	<4.0	<4.0	<4.0	<10.0	<4.0	<8.0	**7460**	<4.0	<4.0	<3.0
SK-2000	SD-SF	**46.6**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**19900**	**60.8**	**53.4**	<1.5
SK-2000	SD-SF	**57.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**32900**	**72.6**	**84.8**	<1.5
SK-2000	TX-D	**145**	<20	<20	<20	<50	<20	<40	**48400**	**30.0**	**27.9**	<15
SK-2000	FL-BB	**43.1**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**22700**	**46.2**	**192.0**	<1.5
SK-2000	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	**958.6**	<0.20	<0.20	<0.14
SK-2000	UT-SLC	**40.1**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	**1190**	<2.0	<2.0	<1.5

WASTE PAINT GUN CLEANER

Total # of Samples: 47

latiles Analysis (ppm)

LAB	SITE	[illegible]	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
		[illegible]	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
		0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
	Maximum	2080	ND	0	4.5	ND	44.5	ND	199000	648	352	ND
	Minimum	22.5	ND	0	3	ND	2.1	ND	958.6	2.5	3.8	ND
	90th UCL for	**162**	ND	ND	ND	ND	ND	ND	**40300**	**52.3**	**63.8**	ND
	50th Percentile	**75**							**35402.95**	**73.8**	**73.4**	

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 56

		Physical Properties			TCLP Metals Analysis (ppm)							
				D001	D004	D005	D006	D007	D008	D009	D010	D011
		pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
				< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-1999	FL-M	6.92	0.863	**91**	<5.00	1.87	<0.500	1.37	4.14	<0.10	<0.45	<0.500
SK-1999	GA-C	7.13	0.813	153	<500	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-M	7.03	0.797	157	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	GA-M	5.51	0.85	152	<5.00	<0.500	<0.500	<0.500	**6.41**	<0.10	<0.45	<0.500
SK-1999	GA-N	5.64	0.81	**95**	<5.00	0.874	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-D	7	0.825	**118**	<5.00	3.69	<0.500	1.04	**13.7**	<0.10	<0.45	<0.500
SK-1999	KS-E	6.83	0.7912	158	<5.00	4.76	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-E	6.98	0.8115	144	<5.00	1.38	<0.500	<0.500	<4.00	<0.010	<0.45	<0.500
SK-1999	KS-W	7.25	0.779	159	<5.00	3.18	0.93	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	8	0.816	**121**	<5.00	21.6	<0.500	<0.500	**9.99**	<0..10	<0.45	<0.500
SK-1999	KY-A	5.6	0.791	119	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	5.7	0.801	**139**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	6.69	0.8327	**138**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	8.34	0.8486	**133**	<5.00	0.529	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	7.02	0.8218	**117**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	8.1	0.82	145	<5.00	10.4	0.58	0.718	**13.1**	<0.10	<0.45	<0.500
SK-1999	KY-L	6.8	0.829	145	<5.00	1.03	<0.500	<0.500	**6.5**	<0.10	<0.45	<0.500
SK-1999	LA-K	6.29	0.777	170	<5.00	0.847	<0.500	<0.500	**6.6**	<0.10	<0.45	<0.500
SK-1999	LA-P	6.96	0.784	**113**	<5.00	1.27	<0.500	0.68	**5.75**	<0.10	<0.45	<0.500
SK-1999	ND-B	6.81	0.7874	146	<5.00	0.61	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	ND-F	8.01	0.848	**138**	<5.00	1.39	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1999	NE-GER	8.09	0.8703	156	<5.00	1.29	0.627	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1999	NM-A	7.48	0.8308	155	<5.00	3.94	**1.3**	<0.500	**10.5**	<0.10	<0.45	<0.500
SK-1999	NM-F	7.65	0.798	148	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	OR-C	5.45	0.824	**100**	<5.00	<0.500	<0.500	<0.500	<0.500	<0.10	<0.45	<0.500
SK-1999	SC-G	6.79	0.822	153	<5.00	2.54	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	SD-S	6.25	0.789	**114**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	SD-S	7.78	0.788	158	<5.00	1.56	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	UT-S	7.42	0.774	152	<5.00	2.26	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	CA-SAL	7.44	0.81	151	<5.00	2.31	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	CO-E	6.94	0.7676	152	<5.00	1.29	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-C	6.62	0.7988	148	<5.00	10.5	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-GC	9.11	0.814	**112**	<5.00	<0.500	<0.500	0.53	<4.0	<0.040	<0.008	<0.500

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 56

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	GA-M	9.52	1.0282	166	<0.905	17.4	0.181	0.325	<0.724	0.011	<0.723	<0.091
SK-2000	GA-M	6.55	0.731	160	<5.00	1.56	0.587	<0.500	**9.16**	<0.10	<0.45	<0.500
SK-2000	KS-E	7.2	0.773	**137**	<5.00	0.706	<0.500	<0.500	**25.9**	<0.10	<0.45	<0.500
SK-2000	KS-W	8.51	0.784	143	<5.00	<0.500	0.646	<0.500	**7.45**	<0.040	<0.008	<0.500
SK-2000	KY-A	7.46	0.821	152	<5.00	8.06	0.52	<0.500	**19**	<0.10	<0.45	<0.500
SK-2000	KY-L	6.9	0.7922	**138**	<5.00	2.36	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.08	0.8007	**130**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	LA-P	5.46	0.81	141	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	MO-SC	7.7	0.7819	142	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	ND-F	7.4	0.91	142	<5.00	70.3	**3.04**	**5.22**	**31.4**	<0.10	<0.45	<0.500
SK-2000	ND-F	7.4	0.79	**130**	<5.00	1.32	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NE-G	10.16	0.797	**136**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NM-A	6.3	0.79	161	<5.00	24.3	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NM-F	4.46	0.8784	153	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	6.3	0.7686	**136**	<5.00	2.23	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	SC-G	7.29	0.8024	**130**	<5.00	0.853	<0.500	<0.500	**11.4**	<0.100	<0.45	<0.500
SK-2000	SD-SF	7	0.84	**139**	<5.00	1.87	0.627	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	SD-SF	7.17	0.824	**128**	<5.00	2.55	<0.500	<0.500	<4.00	<0.100	<0.45	<0.500
SK-2000	TX-D	6.1	0.793	146	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	TX-L	6.92	0.852	152	<5.00	4.61	<0.500	<0.500	**10.4**	<0.10	<0.45	<0.500
SK-2000	NE-O	6.95	0.8116	**132**	<5.00	1.03	<0.500	<0.500	<4.00	**0.886**	<0.45	<0.500
SK-2000	NE-G	7.79	0.8068	146	<5.00	0.941	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	TX-O	7.3		>140	<5.00	2.18	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
	Maximum	10.16	1.03	170	ND	70.30	3.04	5.22	31.40	ND	ND	ND
	Minimum	4.46	0.73	<70	ND	0.53	0.18	0.33	4.14	ND	ND	ND
	90th UCL for	7.22	0.82	**139**	ND	ND	ND	ND	ND	ND	ND	ND
	50th Percentile	7.2		**138**		1.56						

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 57

TCLP Semi-Volatiles Analysis (ppm)

		[illegible]	D030	D032	D033	D034	D036	D037	D038	D041	D042
	[illegible]	cresol	2.4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
SK-1999	FL-M	53.716	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	GA-C	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	GA-M	7.516	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	GA-M	13.142	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	GA-N	7.036	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-D	6.697	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-E	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-E	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-W	<4.9	<0.10	<0.005	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KY-A	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	KY-A	<10	<0.13	0.010654	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-A	<10.1	<0.13	<0.0500	0.0309	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-A	<10.0	<0.13	<0.0050	0.13804	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-A	<10	<0.13	0.005159	0.30701	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-A	<10.0	<0.13	<0.0052	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	<10.0	<0.13	<0.00050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	<10.0	<0.13	<0.00050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	LA-K	<4.9	<0.10	<0.005	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	LA-P	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	ND-B	<4.9	<0.10	<0.0050	0.02381	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	ND-F	11.631	<0.10	<0.0050	<0.020	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	NE-GER	<0.900	<0.100	<0.005	<0.020	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	NM-A	<4.9	<0.10	<0.0050	0.02381	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NM-F	<10.0	<0.13	0.008306	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	OR-C	4.301	<0.10	0.00986	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	SC-G	<10	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	SD-S	29.697	<0.10	0.00872	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	SD-S	10.33	<0.10	<0.005	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	UT-S	5.61	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-2000	CA-SAL	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	CO-E	47.8	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	GA-C	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	GA-GC	11	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 57

TCLP Semi-Volatiles Analysis (ppm)

	Waste Codes	D029	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	GA-M	<92.0	<0.103	0.095	<0.464	<0.545	<0.491	<0.905	<0.581	<0.905	<0.635
SK-2000	GA-M	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	KS-E	<14.5	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KS-W	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.0025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	LA-P	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MO-SC	15.22	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	ND-F	9.77	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	ND-F	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NE-G	28	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NM-A	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NM-F	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	24.4	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	SC-G	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	SD-SF	7.24	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	SD-SF	<10.0	<0.13	<0.0025	0.1377	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	TX-D	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	TX-L	<10.0	<0.13	<0.0025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NE-O	<50	<0.65	<0.025	<0.10	<1.0	<2.0	<25	<5.0	<25	<10.0
SK-2000	NE-G	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	TX-O	<10.0	<0.13	<0.0025	<0.1	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
	Maximum	53.72	ND	0.10	0.31	0.00	ND	ND	ND	ND	ND
	Minimum	4.30	ND	0.01	0.02	0.00	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 57

TCLP Volatiles Analysis (ppm)

		D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Regulatory	Benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	SITE											
SK-1999	FL-M	**569**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**18000**	**8.5**	<1.5
SK-1999	GA-C	<2.0	<2.0	<2.0	<2.0	6.6	<2.0	<4.0	<5.0	**732**	**2.1**	<1.5
SK-1999	GA-M	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**1503.077**	**42.801**	<2.0
SK-1999	GA-M	**3.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1020**	**11.2**	<1.5
SK-1999	GA-N	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**107**	<2.0	<1.5
SK-1999	KS-D	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**308**	**10.5**	<1.5
SK-1999	KS-E	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	34.253	**938.568**	**390.499**	<2.0
SK-1999	KS-E	<50	<20	<20	<20	<20	<20	<20	<100	**1081.24**	**85.466**	<20
SK-1999	KS-W	<50	<20	<20	<20	<20	<20	<20	<100	**362**	<20	<20
SK-1999	KY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**146.65**	<2.0	<1.4
SK-1999	KY-A	**296**	<0.40	<0.40	<0.40	<1.0	<0.40	<0.80	<1.0	**1.5**	<0.40	<0.30
SK-1999	KY-A	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**498**	**7.2**	<1.5
SK-1999	KY-A	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1360**	**17.4**	<1.5
SK-1999	KY-A	<20	<20	<20	<20	<50	<20	<40	<50	**866**	<20	<15
SK-1999	KY-A	**2.3**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	5.1	**1350**	**42.7**	<1.5
SK-1999	KY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**9360**	**9.9**	<1.5
SK-1999	KY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	21.1	**354**	<2.0	<1.5
SK-1999	LA-K	<50	<20	<20	<20	<20	<20	<20	<100	**461**	**28.4**	<20
SK-1999	LA-P	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**584**	**15.2**	<1.5
SK-1999	ND-B	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**287.147**	**13.063**	<2.0
SK-1999	ND-F	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**119.41**	**3.285**	<2.0
SK-1999	NE-GER	<50	<20	<20	<20	<20	<20	<20	<100	**91.09**	**228.494**	<20
SK-1999	NM-A	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**19.673**	**3.044**	<2.0
SK-1999	NM-F	**7.7**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	8.1	**1450**	**35.5**	<1.5
SK-1999	OR-C	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1880**	**17.2**	<1.5
SK-1999	SC-G	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1410**	**10.9**	<1.5
SK-1999	SD-S	<2.0	<2.0	<2.0	<2.0	**10.5**	<2.0	<4.0	<5.0	**6200**	**52.3**	<1.5
SK-1999	SD-S	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	18.4	**916**	**3.66**	<2.0
SK-1999	UT-S	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**644**	**19.4**	<1.5
SK-2000	CA-SAL	**13.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**284**	<2.0	<1.5
SK-2000	CO-E	**4.2**	<0.40	<0.40	<0.40	1.4	<0.40	<0.80	6.3	**916**	**51.3**	<0.30
SK-2000	GA-C	<0.20	<0.20	<0.20	<0.20	0.6	<0.20	<0.40	0.66	**514**	**2.6**	<0.15
SK-2000	GA-GC	**96.7**	<0.20	<0.20	<0.20	**<0.50**	<0.20	<0.40	77.5	**1.1**	<0.20	<0.15

WASTE PARTS WASHER SOLVENT -105

Total # of Samples 57

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	GA-M	<0.214	<0.214	<0.214	<0.214	<0.256	<0.214	<0.242	<0.535	**11.6**	0.227	<0.151
SK-2000	GA-M	<0.2	<0.2	<0.2	<0.2	0.63	<0.20	<0.40	<0.50	**221**	<0.20	<0.15
SK-2000	KS-E	<2.0	<2.0	<2.0	<2.0	**9.8**	<2.0	<4.0	<5.0	**820**	**9.5**	<1.5
SK-2000	KS-W	**3.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	5	**430**	**34.1**	<1.5
SK-2000	KY-A	<0.20	<0.20	<0.20	<0.20	3.5	<0.20	<0.40	<0.50	**240**	<0.20	<0.15
SK-2000	KY-L	<0.40	<0.40	<0.40	<0.40	5.3	<0.40	<0.80	<1.0	**1120**	**14.8**	<0.30
SK-2000	KY-L	**76.3**	<0.20	<0.20	<0.20	5	<0.20	<0.40	<0.50	**1110**	**32.2**	<0.15
SK-2000	LA-P	6.6	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**836**	**85.9**	<1.5
SK-2000	MO-SC	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1140**	**35.5**	<1.5
SK-2000	ND-F	<20	<20	<20	<20	<50	<20	<40	<50	**46000**	**54.2**	<15
SK-2000	ND-F	**3.7**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	6.2	**2410**	**59**	<1.5
SK-2000	NE-G	**2.2**	<2.0	<2.0	<2.0	**10.4**	<2.00	<4.00	<5.0	**2430**	**78.5**	<1.5
SK-2000	NM-A	0.28	<0.20	<0.20	<0.20	0.74	<0.20	<0.40	<0.50	**40.6**	**0.71**	<0.15
SK-2000	NM-F	**0.86**	<0.40	<0.40	<0.40	<1.0	<0.40	<0.80	1.8	**308**	**16.8**	<0.30
SK-2000	NY-L	0.23	<0.20	<0.20	1.1	6.1	<0.20	<0.40	<0.50	**924**	**22.8**	<0.15
SK-2000	SC-G	**98.2**	<0.20	<0.20	<0.20	0.6	<0.20	<0.40	5.4	**1230**	**9.7**	<0.15
SK-2000	SD-SF	<2.0	<2.0	<2.0	<2.0	6.4	<2.0	<4.0	11.9	**532**	**19**	<1.5
SK-2000	SD-SF	**20.9**	<2.0	<2.0	<2.0	6.5	<2.0	<4.0	12.4	**38700**	**5.7**	<1.5
SK-2000	TX-D	**9.9**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	6.7	**877**	**117**	<1.5
SK-2000	TX-L	**3.8**	<0.20	<0.20	<0..20	0.99	<0.20	<0.40	<0.50	**735**	**17.8**	<0.15
SK-2000	NE-O	**4.6**	<0.20	<0.20	<0.20	0.62	<0.20	<0.40	2.4	**1510**	**21.3**	<0.15
SK-2000	NE-G	**4.4**	<0.40	<0.40	<0.40	2.6	<0.40	<0.80	1.8	**828**	**17.2**	<0.30
SK-2000	TX-O	**6.6**	<0.20	<0.20	<0..20	<0.50	<0.20	<0.40	6.4	**1150**	**20**	<0.15
	Maximum	569.00	ND	0.00	ND	10.50	ND	ND	77.50	46000.00	390.50	ND
	Minimum	0.23	ND	0.00	ND	0.60	ND	ND	0.66	1.10	0.23	ND
	90th UCL for		ND	ND	ND	2.4	ND	ND	ND	**837**	**29.416**	ND
	50th Percentile									**924**	**17.8**	

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

***Total # of Samples:* 77**

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	CO-E	6.67	0.792	148	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	CO-GJ	5.87	0.788	161	<5.00	1.11	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	CO-P	6.05	0.810	161	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	FL-B	6.80	0.809	171	<5.00	<0.500	<0.500	0.565	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-DC	6.81	0.815	160	<5.00	1.21	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KS-W	8.27	0.805	162	<5.00	<0.500	0.888	<0.500	<4.00	<0.1	<0.45	<0.500
SK-1999	KY-A	6.70	0.825	162	<5.00	0.62	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-A	6.99	0.949	152	<5.00	2.36	<0.500	0.784	**7.11**	<0.10	<0.45	<0.500
SK-1999	KY-L	8.32	0.828	151	<5.00	29.3	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	6.41	0.837	160	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	8.36	0.821	165	<5.00	4.98	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	7.30	0.850	156	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	6.20	0.820	154	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	5.18	0.800	162	<5.00	0.51	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	KY-L	6.40	0.850	155	<5.00	<0.500	<0.500	<0.500	<4.00	0.169	<0.45	<0.500
SK-1999	LA-K	6.09	0.773	164	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	LA-P	6.42	0.781	168	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	MO-C	7.53	0.811	164	<5.00	2.37	**1.15**	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NM-A	8.65	0.818	159	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NM-F	8.02	0.816	153	<5.00	1.22	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-A	6.08	0.846	**99**	<5.00	4.76	<0.500	<0.500	<4.00	<0.10	0.68	<0.500
SK-1999	NY-A	7.67	0.840	160	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-A	7.42	0.842	159	<5.00	2.14	**1.18**	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	6.82	0.818	148	<5.00	1.62	**1.5**	<0.500	4.9	<0.10	<0.45	<0.500
SK-1999	NY-C	6.44	0.798	157	<5.00	0.834	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-C	7.33	0.837	**136**	<5.00	1.01	**2.69**	<0.500	4.51	<0.10	<0.45	<0.500
SK-1999	NY-L	7.29	0.811	163	<5.00	<5.00	<0.500	<0.500	**24.4**	<0.10	<0.45	<0.500
SK-1999	NY-L	7.56	0.821	165	<5.00	<0.500	<0.500	<0.500	**24.7**	<0.10	<0.45	<0.500
SK-1999	NY-L	7.15	0.786	166	<5.00	<0.500	<0.500	<0.500	**22.8**	<0.10	<0.45	<0.500
SK-1999	NY-NA	5.06	0.818	162	<5.00	2.35	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-NA	5.08	0.809	159	<5.00	4.09	0.738	<0.500	<4.00	<0.190	<0.859	<0.500
SK-1999	NY-NA	5.11	0.819	170	<5.00	2.01	<0.500	<0.500	<4.00	<0.100	<0.452	<0.500
SK-1999	NY-S	7.01	0.794	154	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-S	7.18	0.805	165	<5.00	2.63	**4.94**	<0.500	**7.52**	<0.10	<0.45	<0.500

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	OR-C	6.65	0.854	151	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	TX-L	6.60	0.795	160	<5.00	2.06	<0.500	0.623	<4.00	<0.10	<0.45	<0.500
SK-1999	TX-O	6.80	0.827	150	<5.00	<0.500	<0.500	0.687	<4.00	<0.10	<0.45	<0.500
SK-2000	FL-BB	6.62	0.839	160	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	GA-M	7.38	0.722	160	<5.00	3.27	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-DC	4.44	0.942	146	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-E	7.20	0.765	160	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KS-W	4.89	0.801	153	<5.00	0.733	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	KY-A	6.90	0.834	158	<5.00	2.88	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-A	7.70	0.824	**135**	<5.00	7.78	<0.500	<0.500	**7.7**	<0.10	<0.45	<0.500
SK-2000	KY-A	7.86	0.807	154	<5.00	4.39	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-A	7.82	0.874	152	<5.00	1.54	<0.500	<0.500	**9.2**	<0.10	<0.45	<0.500
SK-2000	KY-A	7.69	0.836	**125**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-A	7.44	0.799	154	<5.00	7.5	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-A	4.54	0.808	156	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	6.99	0.778	154	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.30	0.787	152	<5.00	43.5	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.45	0.790	152	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.09	0.794	163	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.25	0.811	155	<5.00	0.539	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.56	0.808	158	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.94	0.917	154	<5.00	0.507	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	KY-L	7.70	0.792	156	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	LA-P	7.23	0.810	154	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	MO-SC	7.14	0.809	155	<5.00	<0.500	0.528	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NM-A	6.80	0.780	153	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NM-F	5.32	0.819	160	<5.00	3.56	0.586	<0.500	**5.25**	<0.10	<0.45	<0.500
SK-2000	NY-AV	6.70	0.812	**100**	<5.00	6.13	<0.500	<0.500	**14.5**	<0.040	<0.008	<0.500
SK-2000	NY-C	4.60	0.780	160	<5.00	10.1	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-C	5.80	0.791	167	<5.00	1.08	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-C	8.40	0.793	157	<5.00	6.32	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-L	7.00	0.792	158	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NY-L	6.60	0.793	161	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NY-L	6.60	0.798	159	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

		Physical Properties			TCLP Metals Analysis (ppm)							
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-200(	NY-NA	7.40	0.798	160	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-NA	7.40	0.781	158	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-NA	7.80	0.787	161	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-NA	7.80	0.782	156	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-S	7.10	0.788	164	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-S	7.40	0.796	158	<5.00	6.88	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	NY-S	7.50	0.787	164	<5.00	7.8	<0.500	0.549	<4.00	<0.10	<0.45	<0.500
SK-200(	TX-D	7.20	0.805	158	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-200(	TX-O	7.29		>140	<5.00	19.2	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	**pH**	**SG**	**FP**	**As**	**Ba**	**Cd**	**Cr**	**Pb**	**Hg**	**Se**	**Ag**
	Reg Limit:	<2; >12 5	NA	< 140	**5**	**100**	**1**	**5**	**5**	**0.2**	**1**	**5**
LAB	**SITE**											
	Maximum	**8.65**	**0.95**	**171**	ND	43.50	4.94	0.78	24.70	ND	0.68	ND
	Minimum	**4.44**	**0.72**	**<70**	ND	0.51	0.53	0.55	4.51	ND	0.68	ND
	90th UCL for	**7.12**		**155**	ND	ND	ND	ND	ND	ND	ND	ND
	50th Percentile	**7.25**		**157**								

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	CO-E	7.55	<0.10	<0.005	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	CO-GJ	6.4	<0.10	<0.005	<0.020	0.202	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	CO-P	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	FL-B	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-DC	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KS-W	<4.9	<0.10	<0.005	<0.02	<0.2	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	KY-A	<10.0	<0.13	<0.0050	0.0208	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-A	<10.0	<0.13	<0.0050	0.0208	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	10.322	<0.13	0.054207	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	<10..0	<0.13	0.0251	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	KY-L	<10	<0.13	<0.0050	0.0208	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	KY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	KY-L	<280	<37	<34	<51	<47	<58	<89	<180	<71	<86
SK-1999	KY-L	<10.0	<0.13	<0.0050	0.0208	<0.20	0.34	<5.0	<1.0	<5.0	<2.0
SK-1999	LA-K	<4.9	<0.10	0.00745	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	LA-P	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	MO-C	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NM-A	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NM-F	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-A	<4.9	<0.10	0.01797	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-A	<10.0	<0.13	<0.0050	0.0208	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-A	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-1999	NY-C	6.618	<0.10	0.00782	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-C	<4.9	<0.10	0.0137	<0.020	<0.20	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1999	NY-C	8.319	<0.10	0.1525	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-L	<4.9	<0.10	0.01638	0.04305	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-L	<4.9	<0.10	0.01107	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-L	<4.9	<0.10	0.01122	<0.020	<0.2	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-NA	<4.9	<0.10	0.00877	0.06273	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-NA	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-NA	<4.9	<0.10	0.00893	0.06421	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-S	<4.9	<0.10	0.01059	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-S	<4.9	<0.10	0.00972	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	OR-C	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	TX-L	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	TX-O	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-2000	FL-BB	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	GA-M	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	KS-DC	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KS-E	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KS-W	<10.0	<0.13	<0.025	<0.030	<0.30	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	2.0882	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	KY-L	<10.0	<0.13	1.013648	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	LA-P	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MO-SC	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NM-A	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NM-F	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-AV	<10.0	<0.13	<0.025	<0.10	<0.10	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-C	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-C	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-C	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-L	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg Limit:	**200**	**0.13**	**0.13**	**0.5**	**3**	**2**	**100**	**5**	**400**	**2**
LAB	**SITE**										
SK-200(	NY-NA	<10.0	<0.13	<0.025	<0.020	<0.2	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-NA	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-NA	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-NA	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-S	<10.0	<0.13	0.010796	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-S	<10.0	<0.13	0.009367	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	NY-S	<10.0	<0.13	0.013648	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	TX-D	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-200(	TX-O	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	**cresol**	**2,4-DNT**	**Cl6-benz**	**Cl6-1,3-but**	**Cl6-eth**	**nitrobenz**	**Cl5-phenol**	**pyridine**	**2,4,5-TCP**	**2,4,6-TCP**
	Reg. Limit:	**200**	**0.13**	**0.13**	**0.5**	**3**	**2**	**100**	**5**	**400**	**2**
LAB	**SITE**										
	Maximum	10.32	0.00	1.01	0.06	2.09	ND	ND	ND	ND	ND
	Minimum	6.40	0.00	ND	0.02	0.20	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	CO-E	<0.2	<0.2	<0.2	<0.2	<0.5	<0.2	<0.4	<0.5	0.33	<0.2	<0.15
SK-1999	CO-GJ	<20	<20	<20	<20	<50	<20	<40	<40	**2200**	**67.6**	<15
SK-1999	CO-P	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	12.4	**32.2**	**2.4**	<1.5
SK-1999	FL-B	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	0.42	<0.20	<0.15
SK-1999	KS-DC	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**7.00**	<2.0	<1.5
SK-1999	KS-W	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**22.6**	**36.8**	<2.0	<2.0
SK-1999	KY-A	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.80	<1.0	**27.4**	<0.40	<0.30
SK-1999	KY-A	<0.2	<0.2	<0.2	<0.2	**21.2**	<0.20	<0.40	<0.50	**14.6**	<0.20	<0.15
SK-1999	KY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**146**	<2.0	<1.5
SK-1999	KY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	9.7	<2.0	**895**	<1.5
SK-1999	KY-L	<0.2	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	<0.20	<0.20	<0.15
SK-1999	KY-L	<0.2	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	**0.69**	<0.20	<0.15
SK-1999	KY-L	<0.20	<0.20	<0.20	<0.20	1.5	<0.20	<0.40	<0.50	0.4	<0.20	<0.15
SK-1999	KY-L	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.50	<0.20	<0.20	<0.14
SK-1999	KY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<2.0	<2.0	<1.5
SK-1999	LA-K	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<2.5	**6.22**	<2.0
SK-1999	LA-P	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	**2.1**	<0.20	<0.15
SK-1999	MO-C	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**56.8**	<2.0	<1.5
SK-1999	NM-A	<0.50	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<1.0	0.289	<0.20	<0.20
SK-1999	NM-F	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**16800**	<2.0	<1.5
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**6.2**	**77.6**	<1.5
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1180**	<2.0	<1.5
SK-1999	NY-A	<0.2	<0.2	<0.2	<0.2	0.9	<0.2	<0.4	<0.5	**3.9**	<0.20	<0.15
SK-1999	NY-C	<2.0	<2.00	<2.00	<2.00	<5.0	<2.0	<4.0	<5.0	**1750**	**2.3**	<1.5
SK-1999	NY-C	**2.8**	<2.00	<2.00	<2.00	<5.0	<2.0	<4.0	14.8	**386**	<2.0	<1.5
SK-1999	NY-C	**51.8**	<2.00	<2.00	<2.00	<5.0	<2.0	<4.0	<5.0	**11.8**	<2.0	<1.5
SK-1999	NY-L	<0.50	<0.20	<0.20	<0.20	0.838	<0.20	<0.20	<1.0	**1.603**	<0.20	<0.20
SK-1999	NY-L	<0.50	<0.20	<0.20	<0.20	<0.20	0.812	<0.20	<1.0	**1.428**	<0.20	<0.20
SK-1999	NY-L	<0.50	<0.20	<0.20	<0.20	<0.20	0.842	<0.20	<0.20	**1.513**	<0.20	<0.20
SK-1999	NY-NA	<0.50	<0.20	<0.20	<0.20	1.195	<0.20	<0.20	3.022	**1.073**	<0.20	<0.20
SK-1999	NY-NA	<0.50	<0.20	<0.20	<0.20	0.895	<0.20	<0.20	5.566	0.337	<0.20	<0.20
SK-1999	NY-NA	<0.50	<0.20	<0.20	<0.20	1.031	<0.20	<0.20	2.648	**1.231**	<0.20	<0.20
SK-1999	NY-S	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	**514.78**	<2.0	<2.0
SK-1999	NY-S	**1.956**	<0.20	<0.20	<0.20	0.816	<0.20	<0.20	1.494	**1.474**	<0.20	<0.20

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	OR-C	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<2.0	**31.7**	<1.5
SK-1999	TX-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**33.2**	<2.0	<1.5
SK-1999	TX-O	**7.2**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**610**	**24**	<1.5
SK-2000	FL-BB	<0.2	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	**4920**	**9.6**	<0.15
SK-2000	GA-M	**3.1**	<0.2	<0.2	<0.2	0.8	<0.20	<0.40	<0.50	**149**	<0.20	<0.15
SK-2000	KS-DC	**133**	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	**1250**	**128**	<0.15
SK-2000	KS-E	<0.20	<0.20	<0.20	<0.20	1.2	<0.20	<0.40	<0.50	**8.9**	**1.8**	<0.15
SK-2000	KS-W	**4.00**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1590**	**10.6**	<1.5
SK-2000	KY-A	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	0.39	<0.20	<0.15
SK-2000	KY-A	**12.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**365**	<2.0	<1.5
SK-2000	KY-A	<0.20	<0.20	<0.20	<0.20	1.1	<0.20	<0.40	<0.50	**29.2**	0.33	<0.15
SK-2000	KY-A	<0.40	**1.1**	<0.40	<0.40	3.1	<0.40	<0.80	<1.0	**23100**	**5.2**	<0.30
SK-2000	KY-A	**106**	**3.7**	<0.40	<0.40	1.2	**2.4**	<0.80	9	**5150**	**7320**	<0.30
SK-2000	KY-A	<0.20	<0.2	<0.2	<0.2	1.5	<0.20	<0.40	<0.50	0.61	<0.20	<0.15
SK-2000	KY-A	<0.40	<0.40	<0.40	<0.40	1.5	<0.40	<0.80	<1.0	**2.1**	<0.40	<0.30
SK-2000	KY-L	<0.40	<0.40	<0.40	<0.40	1.8	<0.40	<0.80	<1.0	**0.98**	<0.40	<0.30
SK-2000	KY-L	<0.2	<0.2	<0.2	<0.2	0.91	<0.20	<0.40	<0.50	**536**	<0.20	<0.15
SK-2000	KY-L	<0.20	<0.20	<0.20	<0.20	1.5	<0.20	<0.40	<0.50	**0.81**	<0.20	<0.15
SK-2000	KY-L	0.26	<0.20	<0.20	<0.20	1.5	<0.20	<0.40	<0.50	0.21	<0.20	<0.15
SK-2000	KY-L	<0.20	<0.20	<0.20	<0.20	1.2	<0.20	<0.40	<0.50	<0.20	<0.20	<0.15
SK-2000	KY-L	<0.2	<0.2	<0.2	<0.2	1	<0.20	<0.40	<0.50	0.53	**5.4**	<0.15
SK-2000	KY-L	0.22	<0.2	<0.2	<0.2	0.74	<0.20	<0.40	0.56	**1.2**	<0.20	<0.15
SK-2000	KY-L	<0.2	<0.2	<0.2	<0.2	0.78	<0.20	<0.40	<0.50	**1.8**	<0.20	<0.15
SK-2000	LA-P	**0.61**	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	<0.20	<0.20	<0.15
SK-2000	MO-SC	<0.20	<0.20	<0.20	<0.20	0.9	<0.20	<0.40	<0.50	0.24	<0.20	<0.15
SK-2000	NM-A	0.23	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<0.20	<2.0	<1.5
SK-2000	NM-F	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.80	<1.0	**11300**	<0.40	<0.30
SK-2000	NY-AV	<2.0	<2.0	<2.0	<2.0	5.2	<2.0	<4.0	<5.0	**5160**	**57.9**	<1.5
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	0.77	<0.20	<0.40	<0.50	**30**	**1.5**	<0.15
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	1.4	<0.20	<0.40	<0.50	0.28	<0.20	<0.15
SK-2000	NY-C	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**2950**	**2.6**	<1.5
SK-2000	NY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**5100**	<2.0	<1.5
SK-2000	NY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**5170**	<2.0	<1.5
SK-2000	NY-L	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**5760**	<2.0	<1.5

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-200(	NY-NA	0.26	<0.2	<0.2	<0.2	<0.50	<0.20	<0.40	<0.50	**3.2**	<0.20	<0.15
SK-200(	NY-NA	0.23	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	**3.3**	<0.20	<0.15
SK-200(	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	**4.6**	**0.59**	<0.15
SK-200(	NY-NA	0.22	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	**3.2**	<0.20	<0.15
SK-200(	NY-S	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**2920**	<2.0	<1.5
SK-200(	NY-S	**1.4**	<0.20	<0.20	<0.20	0.81	<0.20	<0.40	<0.50	**13.2**	<0.20	<0.15
SK-200(	NY-S	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**335**	**26.5**	<1.5
SK-200(	TX-D	<0.2	<0.2	<0.2	<0.2	0.96	<0.20	<0.40	<0.50	<0.20	<0.20	<0.15
SK-200(	TX-O	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	**779**	**247**	<0.15

WASTE PREMIUM GOLD PARTS WASHER SOLVENT (150)

Total # of Samples: 77

TCLP Volatiles Analysis (ppm)

	Waste Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	**benzene**	**CCl4**	**Clbenz**	**CHCl3**	**1,4-DCIB**	**1,2-DCA**	**1,1-DCE**	**MEK**	**PCE**	**TCE**	**VChloride**
	Reg Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
	Maximum	133.00	ND	0.00	ND	21.20	2.40	ND	22.60	23100.00	7320.00	ND
	Minimum	0.22	ND	0.00	ND	0.74	0.81	ND	0.56	0.21	0.33	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	**32.2**	ND	ND
	50th Percentile	<0.20								**27.4**	<2.0	

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: 50

		Physical Properties			TCLP Metals Analysis (ppm)							
	Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2, >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1998	CO-E	6.3	0.78	**134**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.452	<0.500
SK-1998	MN-B	7.53	0.82	145	<5.00	1.18	<0.500	<0.500	**5.97**	<0.040	<0.45	<0.500
SK-1998	MN-B	7.44	0.81	141	<5.00	1.32	<0.500	<0.500	**5.74**	<0.040	<0.45	<0.500
SK-1998	MN-B	7.53	0.822	154	<5.00	0.995	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1998	MN-E	7.55	0.8	142	<5.00	1.79	0.64	<0.500	**5.79**	<0.040	<0.45	<0.500
SK-1998	MN-E	7.14	0.81	147	<5.00	1.46	0.604	<0.500	**5.27**	<0.040	<0.45	<0.500
SK-1998	MN-E	7.85	0.825	151	<5.00	1.7	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1998	NE-GI	8.31	0.79	**134**	<5.00	1.26	**1.20**	<0.500	**10.3**	<0.040	<0.45	<0.500
SK-1998	NE-O	7.69	0.85	**135**	<5.00	1.5	<0.500	<0.500	<4.00	<0.040	<0.450	<0.500
SK-1998	NY-C	6.74	1.14	**135**	<5.00	3.43	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1998	NY-C	6.74	1.14	**135**	<5.00	3.43	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1998	NY-L	6.65	0.84	146	<5.00	9.69	0.779	1.21	**31.4**	<0.040	<0.45	<0.500
SK-1998	NY-NA	6.47	0.81	**134**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1999	MN-B	7.61	0.823	160	<5.00	1.26	<0.500	<0.500	<4.01	<0.040	<0.45	<0.500
SK-1999	MN-B	7.18	0.834	159	<5.00	0.974	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1999	MN-B	10.34	0.9725	>200	<5.00	3.92	<0.500	<0.500	<4.02	<0.10	<0.45	<0.500
SK-1999	MN-B	8.09	1.1637	145	<0.635	2.04	0.547	<0.064	2.5	<0.004	<0.741	<0.064
SK-1999	MN-B	7.22	0.809	**128**	<5.00	2.11	0.574	0.854	**9.55**	<0.10	<0.45	<0.500
SK-1999	MN-E	6.65	0.839	148	<5.00	1.37	<0.500	<0.500	**5.8**	<0.040	<0.45	<0.500
SK-1999	MN-E	6.42	0.851	148	<5.00	1.74	<0.500	<0.500	**5.79**	<0.040	<0.45	<0.500
SK-1999	MN-E	6.28	0.828	**120**	<5.00	1.31	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	MN-E	5.3	0.795	**121**	<5.00	1.36	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-GER	7.58	0.863	**134**	<5.00	<0.500	<0.500	<0.500	<4.01	<0.040	<0.45	<0.500
SK-1999	NE-GI	7.42	0.8082	151	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-O	6.61	0.792	145	<5.00	0.848	0.926	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-O	6.04	0.822	144	<5.00	1.42	<0.500	0.665	4.54	<0.10	<0.45	<0.500
SK-1999	NE-O	6.64	0.819	**138**	<5.00	3.5	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-O	6.53	0.824	**93**	<5.00	3.45	<0.500	1.03	<4.00	<0.10	<0.45	<0.500
SK-1999	NE-O	6.87	0.818	**89**	<5.00	3.45	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-1999	NY-A	9.84	1	198	<5.00	5.95	0.502	0.848	**6.7**	<0.10	<0.45	<0.500
SK-1999	NY-C	6.1	0.8121	**140**	<5.00	0.823	<0.500	<0.500	<4.01	<0.10	<0.45	<0.500
SK-1999	NY-L	6.56	0.8	**89**	<5.00	2.08	<0.500	<0.500	<4.01	<0.10	<0.45	<0.500

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: 50

		Physical Properties		TCLP Metals Analysis (ppm)								
	Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	NY-NA	8.44	0.817	**132**	<5.00	37	<0.500	<0.500	**7.26**	<0.10	<0.45	<0.500
SK-1999	UT-SLC	7.1	0.816	155	<5.00	2.7	<0.500	<0.500	4.58	<0.10	<0.45	<0.500
SK-2000	KY-A	7.17	0.8104	**92**	<5.00	1.03	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	MN-B	7.9	0.787	**122**	<5.00	1.08	<0.500	<0.500	**12.4**	<0.10	<0.45	<0.500
SK-2000	MN-B	8.1	0.792	146	<5.00	1.1	<0.500	<0.500	**12.2**	<0.040	<0.008	<0.500
SK-2000	MN-B	6.42	0.83	**118**	<5.00	0.867	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	MN-B	7.01	0.814	**122**	<5.00	1.48	<0.500	<0.500	4.66	<0.10	<0.45	<0.500
SK-2000	MN-B	7.78	0.8008	146	<5.00	1.28	<0.500	<0.500	**12.2**	<0.10	<0.45	<0.500
SK-2000	MN-B	6.87	0.7701	**135**	<5.00	1.15	<0.500	<0.500	**12.5**	<0.10	<0.45	<0.500
SK-2000	MN-E	7.2	0.85	142	<5.00	1.27	<0.500	<0.500	**5.38**	<0.10	<0.45	<0.500
SK-2000	MN-E	7	0.85	142	<5.00	1.3	<0.500	<0.500	**5.81**	<0.10	<0.45	<0.500
SK-2000	MN-E	6.69	0.8049	145	<5.00	1.29	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NE-G	9.4	0.803	164	<5.00	<0.500	<0.500	<0.500	4.34	<0.10	<0.45	<0.500
SK-2000	NE-GI	7.2	0.802	145	<5.00	<0.500	<0.500	0.55	<4.00	<0.10	<0.45	<0.500
SK-2000	NE-O	6.1	0.788	**137**	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.008	<0.500
SK-2000	NY-NA	6.25	0.7939	148	<5.00	<0.500	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	NY-S	6.85	0.796	**130**	<5.00	1.4	<0.500	<0.500	<4.00	<0.10	<0.45	<0.500
SK-2000	UT-SLC	8.6	1.2461	172	<5.00	1.03	0.514	<0.500	0.64	<0.0008	<0.750	<0.050
	Maximum	10.34	1.25	198	ND	37.00	1.20	1.21	31.40	ND	ND	ND
	Minimum	5.30	0.77	**<70**	ND	0.82	0.50	0.55	0.64	ND	ND	ND
	90th UCL for			**138**	ND		ND	ND	4.88	ND	ND	ND
	50th Percentile	7.2		**137**		1.42			4.54			

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: ***50***

TCLP Semi Volatiles Analysis (ppm)

	Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg. Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1998	CO-E	54.3	<0.100	0.006	<0.020	<0.200	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-B	<0.900	<0.100	0.022	<0.017	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-B	11.1	<0.100	0.021	<0.017	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-B	7.24	<0.100	0.009	<0.020	<0.200	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-E	9.54	<0.100	0.016	<0.017	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-E	8.44	<0.100	0.016	<0.017	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	MN-E	7.51	<0.100	0.034	0.036	<0.200	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	NE-GI	<0.900	<0.100	0.009	0.035	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	NE-O	<357	<105	<112	<147	<140	<133	<392	<462	<161	<273
SK-1998	NY-C	29.7	<0.100	0.083	0.065	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	NY-C	29.7	<0.100	0.083	0.065	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	NY-L	4.82	<0.100	0.006	<0.017	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1998	NY-NA	14.12	<0.100	0.009	0.033	<0.067	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1999	MN-B	<0.90	<0.10	0.01797	0.04716	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	MN-B	<0.090	<0.10	0.0082	0.3548	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	MN-B	<5.8	<0.11	<0.093	<0.31	<0.30	<0.27	<2.3	<0.13	<3.4	<1.6
SK-1999	MN-B	<14.03	<3.96	<6.71	<7.01	<6.10	<5.79	<14.3	<18.0	<6.10	<9.15
SK-1999	MN-B	9.754	<0.10	0.02025	<0.02	0.84325	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	MN-E	<0.90	<0.10	0.00867	0.02656	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	MN-E	<0.90	<0.10	0.00584	0.02452	<0.20	<0.75	<0.40	<0.30	<0.20	<0.30
SK-1999	MN-E	2.478	<0.10	0.00816	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	MN-E	3.026	<0.10	<0.0050	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-GER	16.818	<0.10	<0.0050	<0.020	<0.20	<0.750	<0.400	<0.300	<0.200	<0.300
SK-1999	NE-GI	<4.9	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-O	12.122	<0.10	0.00756	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-O	10.591	<0.10	<0.0050	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-O	15.428	<0.10	0.0069	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-O	15.776	<0.10	0.00691	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NE-O	11.995	<0.10	0.00684	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	NY-A	<4.6	<1.3	<2.2	<2.3	<2.0	<1.9	<4.7	<5.9	<2.0	<3.0
SK-1999	NY-C	21.219	<0.10	0.0057	<0.020	<0.20	<0.46	<8.2	<0.33	<4.8	<1.4
SK-1999	NY-L	16.407	<0.10	<0.005	<0.02	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: ***50***

TCLP Semi Volatiles Analysis (ppm)

	Codes:	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter:	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit:	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	NY-NA	21.381	<0.10	<0.0050	0.0647	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-1999	UT-SLC	5.908	<0.10	<0.0050	<0.020	<0.20	<0.46	<8.1	<0.32	<4.7	<1.3
SK-2000	KY-A	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	<10.0	<0.13	**0.15903**	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	<10.0	<0.13	**0.16651**	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	<10.0	<0.13	0.064636	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	<10.0	<0.13	0.0645	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	13.38	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-B	<10.0	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-E	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-E	5.68	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	MN-E	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NE-G	<10.0	<0.13	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NE-GI	<10.0	<0.13	<0.025	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NE-O	6.95	<0.60	<0.0050	<0.020	<0.20	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-NA	14.95	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	NY-S	12.18	<0.13	<0.025	<0.10	<1.0	<0.40	<5.0	<1.0	<5.0	<2.0
SK-2000	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
	Maximum	54.30	ND	0.17	0.35	0.84	ND	ND	ND	ND	ND
	Minimum	2.48	ND	0.01	0.02	0.84	ND	ND	ND	ND	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	50th Percentile	8.44		0.00756							

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: 50

TCLP Volatiles Analysis (ppm)

	Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg. Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1998	CO-E	3.7	<2.00	4.9	<2.00	60.6	<2.00	<4.00	<10.00	504	46.5	<2.00
SK-1998	MN-B	<2.00	<2.00	<2.00	<2.00	3.7	<2.00	<4.00	<10.00	1710	72.9	<2.00
SK-1998	MN-B	<2.00	<2.00	<2.00	<2.00	3.9	<2.00	<4.00	<10.00	1820	77.2	<2.00
SK-1998	MN-B	6.7	<2.00	<2.00	<2.00	4.3	<2.00	<4.00	12.2	837	24.4	<2.00
SK-1998	MN-E	11.3	<2.00	<2.00	<2.00	3.2	<2.00	<4.00	12.5	788	462	<2.00
SK-1998	MN-E	10.8	<2.00	<2.00	<2.00	3.5	<2.00	<4.00	12.5	775	444	<2.00
SK-1998	MN-E	3.9	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<10.00	732	61.4	<2.00
SK-1998	NE-GI	32.2	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<10.00	1020	182	<2.00
SK-1998	NE-O	5.98	<1.43	<1.43	<1.43	4.09	<1.43	<2.83	7.81	625	35.9	<1.44
SK-1998	NY-C	<2.00	<2.00	<2.00	<2.00	15.6	<2.00	<4.00	<10.00	676	13.2	<2.00
SK-1998	NY-C	<2.00	<2.00	<2.00	<2.00	15.6	<2.00	<4.00	<10.00	676	13.2	<2.00
SK-1998	NY-L	4.6	<2.00	<2.00	<2.00	3.9	<2.00	<4.00	<10.00	775	22.9	<2.00
SK-1998	NY-NA	<2.00	<2.00	<2.00	<2.00	9.4	<2.00	<4.00	<10.00	306	<2.00	<2.00
SK-1999	MN-B	<5.0	<2.0	5.045	<2.0	4.215	<2.0	<2.0	<10.0	794.114	29.416	<2.0
SK-1999	MN-B	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	10.543	1259.356	23.407	<2.0
SK-1999	MN-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	99.3	<2.0	<1.4
SK-1999	MN-B	<2.09	<2.00	<2.00	<2.00	2.24	<2.00	<2.00	<5.15	41.8	2.28	<1.42
SK-1999	MN-B	6.7	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	11.3	1770	19.9	<1.5
SK-1999	MN-E	<5.0	<2.0	<2.0	<2.0	4.359	<2.0	<2.0	<10.00	1000.548	82.888	<2.0
SK-1999	MN-E	<5.0	<2.0	<2.0	<2.0	4.684	<2.0	<2.0	<10.0	835.451	66.57	<2.0
SK-1999	MN-E	1.7	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	6.6	863	33.2	<1.5
SK-1999	MN-E	2.3	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	11.1	960	36.2	<1.5
SK-1999	NE-GER	11.026	<2.00	<0.200	<0.200	6.288	<2.0	<2.0	<10.0	1254.016	39.584	<2.0
SK-1999	NE-GI	5.824	<2.0	<2.0	<2.0	3.947	<2.0	<2.0	<10.0	212.895	4.933	<2.0
SK-1999	NE-O	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	454	2.8	<1.5
SK-1999	NE-O	5.7	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	13.8	3670	534	<1.5
SK-1999	NE-O	4.1	<2.0	<2.0	<2.0	5.1	<2.0	<4.0	<5.0	2330	401	<1.5
SK-1999	NE-O	3.1	<2.0	<2.0	<2.0	5.4	<2.0	<4.0	<5.0	2310	363	<1.5
SK-1999	NE-O	3.9	<2.0	<2.0	<2.0	6.1	<2.0	<4.0	<5.0	2730	426	<1.5
SK-1999	NY-A	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	7.31	<2.0	<1.4
SK-1999	NY-C	<5.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	431.908	341.44	<2.0
SK-1999	NY-L	2	<2.0	<2.0	<2.0	6.3	<2.0	<4.0	<5.0	1020	6.3	<1.5

WASTE PARTS WASHER SOLVENT (105/150)

Total # of Samples: 50

TCLP Volatiles Analysis (ppm)

	Codes:	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter:	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit:	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	NY-NA	<2.0	<2.0	<2.0	<2.0	**10.5**	<2.0	<4.0	<5.0	**447**	**13.2**	<1.5
SK-1999	UT-SLC	**3.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1080**	**24**	<1.5
SK-2000	KY-A	**4.9**	<0.20	<0.20	<0.20	1.7	<0.20	<0.40	2.0	**953**	**43.7**	<0.15
SK-2000	MN-B	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1360**	**54.2**	<1.5
SK-2000	MN-B	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1330**	**52.5**	<1.5
SK-2000	MN-B	**2.8**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1770**	**57.6**	<1.5
SK-2000	MN-B	**2.9**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	6.4	**1470**	**49**	<1.5
SK-2000	MN-B	**2.6**	<0.40	8.1	<0.40	**33.7**	<0.40	<0.80	7.7	**1850**	**28.6**	<0.30
SK-2000	MN-B	**2.4**	<0.40	47.1	<0.40	**161**	<0.40	<0.80	5.4	**1890**	**34.3**	<0.30
SK-2000	MN-E	**2.6**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**894**	**86.1**	<1.5
SK-2000	MN-E	**2.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**847**	**95.2**	<1.5
SK-2000	MN-E	**3.2**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	24.3	**887**	**58.6**	<1.5
SK-2000	NE-G	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	<0.20	<0.20	<0.15
SK-2000	NE-GI	**2.2**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**917**	**46.1**	<1.5
SK-2000	NE-O	**2.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	5.4	**974**	**45.8**	<1.5
SK-2000	NY-NA	**2**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1310**	**23.4**	<1.5
SK-2000	NY-S	**2.3**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	**1780**	**16.8**	<1.5
SK-2000	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.40	<0.50	0.243	<0.20	<0.14
	Maximum	32.20	ND	47.10	0.00	161.00	0.00	ND	24.30	3670.00	534.00	ND
	Minimum	1.70	ND	4.90	0.00	1.70	0.00	ND	2.00	0.24	2.28	ND
	90th UCL for	**3.10**	ND	ND	ND	5.6	ND	ND	ND	**960**	**66.57**	ND
	50th Percentile	**2.8**				3.9				**1020**	**49**	

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		Physical Properties			TCLP Metals Analysis (ppm)							TCLP Sem
	Waste Codes:	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter:	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg. Limit:	<2; >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	CO-E	7.67	1.50	**140**	<0.500	1.59	0.755	0.138	**5.33**	<0.0008	<0.750	<0.050
SK-1999	GA-C	7.78	1.17	160	<0.545	0.865	0.329	<0.055	0.774	<0.002	<0.747	<0.055
SK-1999	GA-GC	5.71	1.15	155	<0.500	0.522	0.379	<0.050	**8.79**	<0.010	<0.750	<0.050
SK-1999	GA-GC	7.26	1.99	>200	<0.500	0.097	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	GA-M	6.91	0.92	160	<0.500	3.07	0.59	0.357	2.7	<0.0008	<0.750	<0.050
SK-1999	GA-N	8.41	1.13	**119**	<0.545	0.927	0.591	<0.055	1.00	<0.002	<0.747	<0.055
SK-1999	KS-DC	7.35	1.22	172	<0.635	0.759	0.471	0.078	**9.83**	<0.004	<0.741	0.068
SK-1999	KS-W	8.3	1.58	>200	<0.500	2.47	0.342	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1999	LA-K	7.86	1.42	>200	<0.590	0.714	0.662	<0.059	**31.2**	<0.003	<0.744	<0.059
SK-1999	LA-P	6.55	0.90	**140**	<0.500	0.629	<0.050	0.169	**70.1**	<0.0008	<0.750	<0.050
SK-1999	MO-C	9.02	1.16	165	<0.680	2.31	0.4	0.105	1.04	<0.005	<0.738	<0.068
SK-1999	MO-GA	6.89	1.03	**112**	<0.725	1.62	0.107	<0.073	<0.580	<0.006	<0.735	<0.073
SK-1999	NC-A	7.47	1.33	**135**	<0.500	1.03	0.397	0.109	0.595	<0.0008	<0.750	<0.050
SK-1999	NC-R	7.59	1.20	**109**	<0.815	2.27	0.641	<0.082	1.02	<0.008	<0.729	<0.082
SK-1999	ND-F	8.4	0.99	148	<0.635	1.57	0.806	<0.064	0.841	<0.002	<0.741	<0.064
SK-1999	ND-F	8.28	1.57	175	<0.545	0.772	0.643	0.055	0.517	<0.002	<0.747	<0.055
SK-1999	NE-GI	8.12	0.83	188	<0.500	1.1	0.352	0.216	1.9	<0.0008	<0.750	<0.050
SK-1999	NE-O	7.71	1.05	143	<0.725	0.465	**1.27**	0.077	0.711	<0.006	<0.735	0.154
SK-1999	NM-F	6.33	1.11	159	<0.680	1.6	0.44	<0.068	1.93	<0.005	<0.738	<0.068
SK-1999	NY-A	7.22	1.76	**121**	<0.500	1.04	0.448	<0.050	**7.94**	<0.0008	<0.750	<0.050
SK-1999	NY-A	9.36	1.15	>200	<0.635	1.57	0.886	0.073	2.42	<0.004	<0.741	<0.064
SK-1999	NY-A	9.6	1.50	>200	<0.725	1.34	0.573	<0..073	1.7	<0.006	<0.735	<0.073
SK-1999	NY-C	7.99	1.64	**119**	<0.500	4.27	0.611	0.186	4.01	<0.0008	<0.750	<0.050
SK-1999	NY-C	8.36	1.79	**87**	<0.500	0.85	0.796	<0.050	2.64	<0.0008	<0.750	<0.050
SK-1999	NY-L	6.57	0.95	>200	<0.500	0.239	<0.050	<0.050	**46.8**	<0.0008	<0.750	<0.050
SK-1999	NY-L	8.1	0.93	>200	<0.500	2.98	0.213	<0.050	1.05	<0.0008	<0.750	<0.050
SK-1999	NY-NA	8.56	0.87	144	<1.04	2.02	0.711	0.139	1.76	<0.013	<0.714	<0.104
SK-1999	NY-NA	8.3	0.96	**115**	<0.725	1.62	0.677	0.093	1.44	<0.006	<0.735	<0.073
SK-1999	NY-S	8.68	1.07	**110**	<0.500	3.1	0.796	<0.050	0.967	<0.0008	<0.750	<0.050
SK-1999	NY-S	8.79	0.82	190	<0.500	1.7	0.368	0.077	<0.400	<0.0008	<0.750	<0.050
SK-1999	NY-S	9.1	1.50	152	<0.500	2.24	0.571	<0.050	0.902	<0.0008	<0.750	<0.050
SK-1999	OR-C	7.86	1.42	**126**	<0.500	1.9	**1.27**	<0.050	3.71	<0.0008	<0.750	<0.050
SK-1999	SC-G	6.6	0.95	144	<0.500	4.14	0.397	<0.050	2.55	<0.0008	<0.750	<0.050
SK-1999	SD-S	7.04	0.81	>200	<0.500	1.27	0.874	<0.050	1.03	<0.0008	<0.750	<0.050

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		Physical Properties			TCLP Metals Analysis (ppm)							TCLP Sem
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2, >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1999	SD-S	8	1.41	**127**	<0.500	1.05	0.606	<0.050	0.827	<0.0008	<0.750	<0.050
SK-1999	TX-D	8.31	1.34	>200	<0.500	0.65	0.211	<0.050	**34.4**	<0.0008	<0.750	<0.050
SK-1999	TX-D	8.78	0.83	191	<5.00	20.6	**2.31**	1.54	**55.1**	<0.100	<0.452	<0.500
SK-1999	UT-SLC	6.2	1.09	160	<0.500	0.687	0.678	0.212	3.36	<0.0008	<0.750	<0.050
SK-1999	UT-SLC	7.2	0.92	152	<0.590	0.826	0.354	<0.059	1.18	<0.003	<0.744	<0.059
SK-2000	CA-F	7.63	1.09	**135**	<0.500	1.26	0.352	<0.050	0.65	<0.0008	<0.750	<0.050
SK-2000	CA-O	6.93	0.89	152	<5.00	1.26	0.662	0.557	**10.4**	<0.10	<0.45	<0.500
SK-2000	CA-RP	6.72	1.40	**115**	<0.500	0.789	0.595	<0.050	1.21	<0.0008	<0.750	<0.050
SK-2000	CA-SA	6.93	1.28	153	<0.500	1.42	**1.19**	0.125	2.96	<0.0008	<0.750	<0.050
SK-2000	CO-E	8.11	1.08	148	<0.590	1.28	0.476	<0.050	0.667	<0.0008	<0.750	<0.050
SK-2000	FL-B	7.94	0.91	**126**	<0.500	0.555	0.617	<0.050	**6.5**	<0.0008	<0.750	<0.050
SK-2000	GA-C	7.94	1.56	**118**	<0.500	0.089	0.392	0.193	**2650**	<0.0008	<0.750	<0.050
SK-2000	GA-GC	3.32	1.35	148	<0.590	0.467	0.166	0.112	<0.472	<0.002	<0.735	<0.059
SK-2000	GA-M	9.57	1.14	>200	<0.500	8.55	0.323	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	GA-MO	7.29	1.30	180	<0.500	1.21	**3.12**	<0.050	**18.1**	<0.0008	<0.750	<0.050
SK-2000	GA-N	7.33	0.96	**136**	<0.500	1.36	0.089	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	KS-DC	6.8	1.07	>200	<0.500	1.15	0.169	<0.050	0.851	<0.0008	<0.750	<0.050
SK-2000	KS-E	4.8	1.37	148	<0.500	1.52	0.151	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	KS-W	6.9	0.84	**115**	<0.500	1.21	0.218	<0.050	1.04	<0.0008	<0.750	<0.050
SK-2000	LA-P	6.7	1.04	**115**	<0.500	0.527	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	MO-SC	8.01	1.44	**101**	<0.500	0.975	**1.3**	<0.050	1.42	<0.0008	<0.750	<0.050
SK-2000	NC-HP	9.72	1.11	**114**	<0.500	3.4	0.46	0.076	**24.9**	<0.0008	<0.750	<0.050
SK-2000	NC-R	4.76	1.22	152	<0.500	0.891	0.931	<0.050	2.67	<0.0008	<0.750	<0.050
SK-2000	NC-C	7.09	1.19	>140	<0.500	2.94	0.572	<0.050	4.82	<0.0008	<0.750	<0.050
SK-2000	ND-F	7.06	1.82	**106**	<0.500	0.933	0.63	<0.050	0.451	<0.0008	<0.750	<0.050
SK-2000	NE-GI	7.2	1.12	**132**	<0.545	0.472	0.73	0.056	0.735	<0.002	<0.747	<0.055
SK-2000	NE-GI	7.3	1.41	**135**	<0.500	1.71	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	NE-O	7.1	1.00	146	<0.905	2.17	**3.95**	<0.091	**138**	<0.010	<0.723	<0.091
SK-2000	NE-O	7.21	0.83	142	<5.00	1.3	<0.50	<0.500	4.96	<0.100	<0.45	<0.500
SK-2000	NM-A	7.2	1.30	**110**	<0.500	0.964	0.427	<0.050	0.47	<0.0008	<0.750	<0.050
SK-2000	NM-F	7.5	1.08	126	<0.500	1.9	**29.8**	0.124	3.47	<0.0008	<0.750	<0.050
SK-2000	NY-A	5.88	1.65	**85**	<0.500	0.924	**12.1**	<0.050	**14.3**	<0.0008	<0.750	<0.050
SK-2000	NY-C	6.03	0.87	154	0.668	0.701	<0.064	<0.064	<0.508	<0.004	<0.741	<0.064
SK-2000	NY-C	5.98	1.20	**108**	<0.500	0.881	0.507	<0.050	0.722	<0.0008	<0.750	<0.050

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		Physical Properties			TCLP Metals Analysis (ppm)							TCLP Sem
		D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
		pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
		>2 >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-2000	NY-C	6.78	1.40	**137**	<0.500	0.935	0.438	<0.050	0.774	<0.0008	<0.750	<0.050
SK-2000	NY-C	6.68	1.40	**119**	<0.500	0.47	0.307	<0.050	0.697	<0.0008	<0.750	<0.050
SK-2000	NY-L	7.02	1.21	141	<0.500	1.15	0.84	<0.050	1.93	<0.0008	<0.750	<0.050
SK-2000	NY-L	8.36	1.15	150	<0.500	1.32	0.557	<0.050	1.45	<0.0008	<0.750	<0.050
SK-2000	NY-L	7.44	1.14	142	<0.500	1.96	0.522	<0.050	0.633	<0.0008	<0.750	<0.050
SK-2000	NY-NA	6.46	1.53	**91**	<0.500	0.971	**8.57**	<0.050	**14.4**	0.0009	<0.750	<0.050
SK-2000	NY-S	6.24	1.40	**120**	<0.500	2.08	0.405	<0.050	0.697	<0.0008	<0.750	<0.050
SK-2000	NY-S	7.04	1.34	142	<0.500	1.36	0.266	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	SC-G	7.06	1.15	143	<0.500	0.488	0.276	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	SD-SF	7.4	1.50	**108**	<0.500	1.14	**1.29**	<0.050	1.63	<0.0008	<0.750	<0.050
SK-2000	SD-SF	6.96	1.47	**121**	<0.500	1.32	0.447	<0.050	0.46	<0.0008	<0.750	<0.050
SK-2000	NY-A	9.28	1.13	146	<0.500	4.3	0.191	0.096	1.23	<0.0008	<0.750	<0.050
SK-2000	UT-SLC	7.44	1.34	144	<0.500	0.832	0.406	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	UT-SLC	7.06	1.50	183	<0.500	0.904	0.619	<0.050	1.21	<0.0008	<0.750	<0.050
	Maximum	9.72	1.99	>200	0.668	20.6	29.8	1.54	2650	0.0009	ND	0.154
	Minimum	3.32	0.813	85	0.668	0.089	0.089	0.055	0.451	0.0009	ND	0.068
	90th UCL for			**140**	ND	1.55	0.699	ND	0.643	ND	ND	ND
	50th Percentile	7.5		**140**					1.7			

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		i Volatiles Analysis (ppm)									TCLP Vol
	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	CO-E	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	GA-C	6.75	<1.37	<2.31	<2.41	<2.10	<2.00	<4.94	<6.19	<2.10	<3.15
SK-1999	GA-GC	0.361	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	GA-GC	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	GA-M	0.609	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	GA-N	<0.228	<0.067	<0.110	<0.110	<0.100	<0.097	<0.240	<0.290	<0.100	<0.150
SK-1999	KS-DC	<14.03	<3.96	<6.71	<7.01	<6.10	<5.79	<14.3	<18.0	<6.10	<9.15
SK-1999	KS-W	2.087	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	LA-K	9.62	<2.67	<4.51	<4.71	<4.10	<3.90	<9.64	<12.1	<4.10	<6.15
SK-1999	LA-P	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	MO-C	<20.54	<5.84	<9.86	<10.3	<8.96	<8.53	<21.1	<26.4	<8.96	<13.4
SK-1999	MO-GA	<25.1	<7.14	<12.0	<12.5	<11.0	<10.4	<25.8	<32.3	<11.0	<16.4
SK-1999	NC-A	1.071	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NC-R	<19.76	<2.61	<2.40	<3.59	<3.31	<4.09	<6.27	<12.7	<5.00	<6.06
SK-1999	ND-F	<14.03	<3.96	<6.71	<7.01	<6.10	<5.79	<14.3	<18.0	<6.10	<9.15
SK-1999	ND-F	5.58	<1.37	<2.31	<2.41	<2.10	<2.00	<4.94	<6.19	<2.10	<3.15
SK-1999	NE-GI	1.154	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NE-O	<25.1	<7.14	<12.0	<12.5	<11.0	<10.4	<25.8	<32.3	<11.0	<16.4
SK-1999	NM-F	11.48	<1.50	<1.38	<2.06	<1.90	<2.35	<3.60	<7.29	<2.87	<3.48
SK-1999	NY-A	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	NY-A	9.49	<1.13	<1.04	<1.56	<1.43	<1.77	<2.71	<5.49	<2.16	<2.62
SK-1999	NY-A	15.29	<1.87	<1.72	<2.57	<2.37	<2.93	<4.49	<9.09	<3.58	<4.34
SK-1999	NY-C	0.951	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-C	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-L	<1.44	<0.19	<0.17	<0.26	<0.24	<0.29	<0.45	<0.91	<0.36	<0.43
SK-1999	NY-L	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	NY-NA	55.9	<15.7	<26.5	<27.7	<24.1	<22.9	<56.6	<71.1	<24.1	<36.1
SK-1999	NY-NA	<25.1	<7.14	<12.0	<12.5	<11.0	<10.4	<25.8	<32.3	<11.0	<16.4
SK-1999	NY-S	<2.28	<0.68	<1.1	<1.1	<1.00	<0.98	<2.4	<2.9	<1.0	<1.5
SK-1999	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-S	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	OR-C	0.743	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	SC-G	<0.144	<0.019	<0.017	<0.026	<0.024	<0.029	<0.045	<0.091	<0.036	<0.043
SK-1999	SD-S	1.351	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		i Volatiles Analysis (ppm)									TCLP Vol
	Waste Codes	D025	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-1999	SD-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	TX-D	<0.080	<0.040	<0.040	<0.040	<0.040	<0.040	<0.20	<0.050	<0.40	<0.40
SK-1999	TX-D	<460	<130	<220	<230	<200	<190	<470	<590	<200	<300
SK-1999	UT-SLC	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	UT-SLC	6.03	<0.759	<0.697	<1.05	<0.964	<1.19	<1.82	<3.69	<1.46	<1.76
SK-2000	CA-F	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	CA-O	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	CA-RP	<500	<0.50	<0.50	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
SK-2000	CA-SA	<1.0	<0.1	<0.1	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	CO-E	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	FL-B	<0.20	<0.057	<0.084	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	GA-C	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	GA-GC	<27.4	<0.820	<0.820	<4.10	<4.10	<4.10	<4.10	<4.31	<4.10	<4.10
SK-2000	GA-M	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	GA-MO	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	GA-N	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	KS-DC	<100.0	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	KS-E	<01.15	<0..10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	KS-W	0.137	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
SK-2000	LA-P	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	MO-SC	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NC-HP	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	NC-R	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	NC-C	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.58	<0.50	<0.50
SK-2000	ND-F	1.123	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NE-GI	<5.00	<0.499	<0.499	<2.50	<2.5	<2.50	<2.50	<2.63	<2.50	<2.50
SK-2000	NE-GI	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10
SK-2000	NE-O	72.6	<7.22	<7.22	<36.1	<36.1	<36.1	<36.1	<38.8	<36.1	<36.1
SK-2000	NE-O	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	NM-A	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10
SK-2000	NM-F	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-A	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-C	<109.0	<1.30	<1.30	<6.49	<6.49	<6.49	<6.49	<6.82	<6.49	<6.49
SK-2000	NY-C	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10

WASTE PARTS WASHER SLUDGE

Total # of Samples: ***82***

		i Volatiles Analysis (ppm)									TCLP Vol
	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	**SITE**										
SK-2000	NY-C	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-C	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-L	43.6	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-L	7.36	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-L	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	NY-NA	<20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NY-S	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	NY-S	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
SK-2000	SC-G	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	SD-SF	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10
SK-2000	SD-SF	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	NY-A	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
	Maximum	72.6	0	ND	ND	ND	ND	ND	ND	ND	ND
	Minimum	0.137	0	ND	ND	ND	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	1.154	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PARTS WASHER SLUDGE

Total # of Samples: 82

atiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	CO-E	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.65	<0.20	<0.14
SK-1999	GA-C	<0.218	<0.218	<0.218	<0.218	0.252	<0.218	<0.238	<0.545	**7.98**	0.238	<0.154
SK-1999	GA-GC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.21	<0.20	<0.14
SK-1999	GA-GC	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**174.41**	<2.0	<1.4
SK-1999	GA-M	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.68	<0.20	<0.14
SK-1999	GA-N	0.232	<0.218	<0.218	<0.218	<0.248	<0.218	<0.238	<0.545	**7.25**	0.249	<0.154
SK-1999	KS-DC	<0.254	<0.254	<0.254	<0.254	<0.344	<0.254	<0.314	<0.635	**7.42**	**0.518**	<0.181
SK-1999	KS-W	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2.87	**0.94**	<0.20	<0.14
SK-1999	LA-K	<0.344	<0.254	<0.254	<0.254	<0.254	<0.254	<0.254	<0.785	**20.8**	**3.56**	<0.196
SK-1999	LA-P	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	MO-C	0.278	<0.254	<0.254	<0.254	<0.344	<0.254	<0.314	<0.635	**161**	**1.26**	<0.181
SK-1999	MO-GA	**2.18**	<2.00	<2.00	<2.00	<2.15	<2.00	<2.10	<5.00	**179**	**3.02**	<1.41
SK-1999	NC-A	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	**1.74**	<1.0	<1.4
SK-1999	NC-R	<0.308	<0.308	<0.308	<0.308	<0.488	<0.308	<0.428	<0.770	**63.9**	**3.93**	<0.222
SK-1999	ND-F	<0.296	<0.176	<0.176	<0.176	<0.176	<0.176	<0.176	<0.880	**27.1**	0.411	<0.214
SK-1999	ND-F	<0.218	<0.218	<0.218	<0.218	<0.218	<0.218	<0.218	<0.545	13.7	0.443	<0.154
SK-1999	NE-GI	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.63	<0.20	<0.14
SK-1999	NE-O	<0.272	<0.272	<0.272	<0.272	<0.392	<0.272	<0.352	0.987	**139**	**11.8**	<0.194
SK-1999	NM-F	0.496	<0.236	<0.236	<0.236	<0.296	<0.236	<0.276	<0.590	**20.8**	<0.236	<0.167
SK-1999	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-1999	NY-A	<0.236	<0.236	<0.236	<0.236	<0.296	<0.236	<0.276	<0.590	**11.7**	**1.03**	<0.167
SK-1999	NY-A	0.272	<0.272	<0.272	<0.272	<0.392	<0.272	<0.352	<0.680	**60.9**	**3.62**	<0.194
SK-1999	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**0.73**	<0.20	<0.14
SK-1999	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.25	<0.20	<0.14
SK-1999	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.23	<0.20	<0.14
SK-1999	NY-L	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**26.23**	<2.0	<1.4
SK-1999	NY-NA	**2.82**	<2.00	<2.00	<2.00	<2.27	<2.00	<2.18	<5.00	**2.73**	**2.1**	<1.41
SK-1999	NY-NA	**2.31**	<2.00	<2.00	<2.00	<2.12	<2.00	<2.08	<5.00	**129**	<2.00	<1.40
SK-1999	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.65**	<0.20	<0.14
SK-1999	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**0.76**	<0.20	<0.14
SK-1999	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**4.84**	<0.20	<0.14
SK-1999	OR-C	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**5.65**	**25.36**	<1.4
SK-1999	SC-G	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.5	**18.4**	<1.0	<0.70
SK-1999	SD-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.5**	<0.20	<0.14

WASTE PARTS WASHER SLUDGE

Total # of Samples: 82

atiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-1999	SD-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.97	**0.8**	<0.20	<0.14
SK-1999	TX-D	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.6	0.51	<0.20	<0.14
SK-1999	TX-D	<5.0	<2.0	<2.0	<2.0	3.662	<2.0	<2.0	<10.0	**3.023**	<2.0	<2.0
SK-1999	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.51	0.39	<0.20	<0.14
SK-1999	UT-SLC	0.266	<0.236	<0.236	<0.236	<0.296	<0.236	<0.276	0.766	**30.7**	**0.638**	<0.167
SK-2000	CA-F	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.94	**0.769**	<0.20	<0.14
SK-2000	CA-O	**3.4**	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	12.8	**1240**	**48.1**	<1.5
SK-2000	CA-RP	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**8.549**	<0.20	<0.14
SK-2000	CA-SA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**4.475**	0.324	<0.14
SK-2000	CO-E	0.258	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**0.945**	<0.20	<0.14
SK-2000	FL-B	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	GA-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**1.476**	<0.20	<0.14
SK-2000	GA-GC	0.224	<0.200	<0.200	<0.200	0.215	<0.200	<0.204	0.528	**15.5**	0.434	<0.140
SK-2000	GA-M	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.682	<0.20	<0.14
SK-2000	GA-MO	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	GA-N	**2.785**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**46.82**	<2.0	<1.4
SK-2000	KS-DC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	KS-E	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**10.82**	<2.0	<1.4
SK-2000	KS-W	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	0.535	0.265	<0.20	<0.14
SK-2000	LA-P	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.096**	<0.20	<0.14
SK-2000	MO-SC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	2.224	0.21	<0.20	<0.14
SK-2000	NC-HP	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**5.51**	<0.20	<0.14
SK-2000	NC-R	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.628	<0.20	<0.14
SK-2000	NC-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**3.356**	**0.894**	<0.14
SK-2000	ND-F	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**5.03**	<0.20	<0.14
SK-2000	NE-GI	**0.719**	<0.812	<0.812	<0.812	<0.742	<0.812	<0.832	2.17	**12.1**	**0.966**	<0.569
SK-2000	NE-GI	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.649	<0.20	<0.14
SK-2000	NE-O	<0.362	<0.362	<0.362	<0.362	<0.632	<0.362	<0.542	0.998	**253**	**2.52**	<0.262
SK-2000	NE-O	**1.1**	<0.40	<0.40	1.2	1.5	<0.40	<0.80	2	**547**	**2.11**	<0.30
SK-2000	NM-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.413	<0.20	<0.14
SK-2000	NM-F	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.422	<0.20	<0.14
SK-2000	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-C	<0.236	<0.236	<0.236	<0.236	<0.296	<0.236	<0.276	<0.590	**2.88**	<0.236	<0.167
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.244	<0.20	<0.14

WASTE PARTS WASHER SLUDGE

Total # of Samples: 82

atiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	**SITE**											
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.309	<0.20	<0.14
SK-2000	NY-C	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.215	<0.20	<0.14
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.244	<0.20	<0.14
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.269	<0.20	<0.14
SK-2000	NY-NA	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.955**	**1.486**	<0.14
SK-2000	NY-S	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**2.363**	<0.20	<0.14
SK-2000	SC-G	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	SD-SF	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**0.705**	<0.20	<0.14
SK-2000	SD-SF	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**4.496**	**0.514**	<0.14
SK-2000	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.20	<0.20	<0.14
SK-2000	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.387	<0.20	<0.14
SK-2000	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**0.827**	<0.20	<0.14
	Maximum	3.4	ND	ND	ND	3.662	ND	ND	12.8	1240	48.1	ND
	Minimum	0.224	ND	ND	ND	0.215	ND	ND	0.51	0.21	0.238	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	**5.710**	0.227	ND
	50th Percentile									**3.023**	<0.236	

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes	D002		D001	D004	D005	D006	D007	D008	D009	D010	D011
	Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	Reg Limit	<2, >12.5	NA	< 140	5	100	1	5	5	0.2	1	5
LAB	SITE											
SK-1997	CA-E	8.1	1.13	**126**	<0.500	1.29	**1.2**	0.081	2.47	0.001	<0.600	<0.050
SK-1997	CA-S	7.7	1.35	150	<0.500	0.307	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	CO-E	7.65	1.07	**120**	<0.500	0.335	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	IL-E	7.99	1.00	**134**	<0.500	0.255	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	LA-K	7.85	1.01	159	<0.635	0.268	<0.064	<0.064	1.09	<0.002	<0.596	<0.064
SK-1997	MO-C	9.24	1.13	>200	<0.500	1.46	0.27	<0.050	1.09	<0.0008	<0.600	<0.050
SK-1997	ND-B	8.1	1.13	**130**	<0.500	1.29	0.324	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	ND-F	8.08	1.22	**134**	<0.500	0.223	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	NE-GE	8.04	1.14	142	<0.500	1.12	0.41	<0.050	**7.04**	<0.0008	<0.600	<0.050
SK-1997	NE-GI	7.23	1.40	**124**	<0.500	0.591	<0.050	0.052	<0.400	<0.0008	<0.600	<0.050
SK-1997	NE-O	8.07	1.01	>200	<0.500	0.087	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	NM-A	6.91	1.19	**89**	<0.500	0.41	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1997	NY-A	6.35	1.47	**138**	0.549	0.364	<0.050	0.761	<0.400	<0.0008	<0.600	<0.050
SK-1997	NY-A	7.95	1.18		<0.500	1.76	0.894	0.055	3.73	<0.0008	<0.600	<0.050
SK-1997	NY-NA	6.35	1.47	**138**	0.549	0.364	<0.050	0.761	<0.400	<0.0008	<0.600	<0.050
SK-1997	OR-C	6.75	1.18	145	<0.500	1.12	0.911	<0.050	1.63	<0.0008	<0.600	<0.050
SK-1997	SD-S	7.82	1.25	**132**	<0.500	1.17	0.669	<0.050	0.6	<0.0008	<0.600	<0.050
SK-1997	TN-K	7.96	1.31	**138**	<0.500	0.354	<0.050	<0.050	0.688	<0.0008	<0.600	<0.050
SK-1997	TN-N	7.86	1.34	146	<0.500	1.32	0.504	<0.050	1.79	<0.0008	<0.600	<0.050
SK-1997	TX-M	7.42	1.03	153	<0.500	0.946	0.174	<0.050	1.61	0.0012	<0.600	<0.050
SK-1997	TX-M	8.36	1.23	150	<0.500	0.215	<0.050	<0.050	<0.400	<0.0008	<0.600	<0.050
SK-1998	AZ-C	7.55	1.34	>200	<0.500	1.11	**1.23**	<0.050	1.59	<0.0008	<0.750	<0.050
SK-1998	AZ-C	7.76	1.43	>200	<0.500	1.16	**2.98**	<0.050	1.02	<0.0008	<0.750	<0.050
SK-1998	CA-S	6.50	0.951	141	<0.500	1.77	<0.500	<0.500	**6.12**	<0.040	<0.45	<0.500
SK-1998	FL-BB	8.26	1.33	**136**	<0.500	1.77	**1.18**	<0.050	0.976	<0.0008	<0.750	<0.050
SK-1998	FL-PC	8.18	1.67	>200	<0.500	2.77	0.89	<0.050	0.657	<0.0008	<0.750	<0.050
SK-1998	FL-PC	8.66	0.962	158	<5.00	2.47	0.0673	0.513	4.87	<0.040	<0.4850	<0.500
SK-1998	GA-C	8.07	1.25	200	<0.500	1.37	0.311	<0.050	**16**	<0.0008	<0.750	<0.050
SK-1998	GA-C	7.87	1.15	>200	<0.500	0.98	0.295	<0.050	**20.1**	<0.0008	<0.750	<0.050
SK-1998	GA-M	7.71	1.28	>200	<0.500	1.12	**1.67**	<0.050	0.894	<0.0008	<0.750	<0.050
SK-1998	GA-M	8.05	1.24	>200	<0.500	1.11	**1.47**	<0.050	0.764	<0.0008	<0.750	<0.050
SK-1998	GA-MA	7.68	1.00	**125**	<0.500	1.96	0.302	<0.050	0.599	0.002	<0.750	<0.050
SK-1998	IL-E	8.07	1.02	>200	<0.500	0.846	**11.9**	1.83	**32**	<0.040	<0.45	<0.500
SK-1998	IL-E	7.97	1.05	156	<0.500	0.868	**8.19**	1.03	**10.6**	<0.040	<0.45	<0.500

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

		Physical Properties		TCLP Metals Analysis (ppm)								
	Waste Codes	D002										
	Parameter	pH	SG	FP	[illegible]	Ba	Cr	[illegible]	Pb	Hg	Se	Ag
	Reg Limit	<2, >12.5	NA	[illegible]	5	100	1	5	5	0.2	1	5
LAB	**SITE**											
SK-1998	IL-E	8.22	1.29	>200	<0.500	0.955	**1.46**	<0.050	1.14	<0.0008	<0.750	<0.050
SK-1998	LA-K	7.98	1.24	**128**	<0.500	1.04	0.725	<0.050	**25.6**	<0.0008	<0.750	<0.050
SK-1998	MD-GB	8.25	1.40	>200	<0.500	3.17	0.765	<0.050	1.03	<0.0008	<.750	<0.050
SK-1998	MD-GB	8.41	1.37	>200	<0.500	2.96	0.718	<0.050	0.996	<0.0008	<.750	<0.050
SK-1998	MO-CG	8.14	1.21	>200	<0.500	0.962	0.678	<0.050	0.793	<0.0008	<0.750	<0.050
SK-1998	MO-CG	8.28	1.21	>200	<0.500	0.832	0.519	<0.050	0.534	<0.0008	<0.750	<0.050
SK-1998	NC-C	9.22	1.06	>200	<0.500	2.03	**1.02**	0.051	1.56	<0.0008	<0.750	<0.050
SK-1998	NE-GI	7.23	1.38	**83**	<0.500	1.8	<0.050	0.126	<0.400	<0.0008	<0.750	<0.050
SK-1998	NE-GI	8.17	1.3	>200	<0.500	1.13	<0.050	0.107	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-A	8.58	1.48	>200	<0.500	1.83	0.576	<0.050	2.16	<0.0008	<0.750	<0.050
SK-1998	NY-NA	8.56	1.42	149	<0.500	2.9	0.959	0.08	4.23	0.00904	<0.750	<0.050
SK-1998	NY-S	9.41	1.26	**124**	<0.500	2.94	0.57	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-1998	NY-S	7.16	0.99	>200	<5.00	<0.500	<0.500	<0.500	<4.00	<0.040	<0.45	<0.500
SK-1998	SD-S	7.42	1.07	>200	<0.500	1.51	**1.31**	<0.050	1.03	<0.0008	<0.750	<0.050
SK-1998	TX-E	7.67	1.11	145	<0.500	0.901	0.089	<0.050	0.851	<0.008	<0.750	<0.050
SK-1998	VA-C	7.81	1.39	144	<0.500	1.67	0.518	0.054	1.1	<0.0008	<0.750	<0.050
SK-1998	VA-C	7.71	1.26	**96**	<0.500	1.08	0.224	<0.050	0.739	<0.0008	<0.750	<0.050
SK-1998	WI-M	7.68	1.20	>200	<0.500	0.946	0.537	0.051	2.16	<0.0008	<0.750	<0.050
SK-1998	WI-M	7.32	1.30	>200	<0.500	0.907	0.594	<0.050	1.56	<0.0008	<0.750	<0.050
SK-1999	GA-C	5.45	1.02	>200	<0.815	1.64	0.401	0.162	**52.2**	<0.008	<0.729	<0.082
SK-1999	GA-M	6.59	1.03	>200	<0.500	2.21	0.189	<0.050	0.443	<0.0008	<0.750	<0.050
SK-1999	ND-B	8.53	1.06	170	<0.500	0.937	**1.01**	<0.050	0.781	0.0009	<0.750	<0.050
SK-1999	NY-A	8.27	0.94	>200	<0.500	6.06	0.417	<0.050	1.24	<0.0008	<0.750	<0.050
SK-2000	GA-C	6.83	1.02	155	<5.00	52.5	**2.39**	**6.83**	**474**	<0.040	<0.008	<0.500
SK-2000	GA-C	5.48	0.83	152	<5.00	2.79	<0.500	0.764	**49.1**	<0.040	<0.008	<0.500
SK-2000	GA-C	5.48	0.83	152	<5.00	2.79	<0.500	0.764	**49.1**	<0.040	<0.008	<0.500
SK-2000	GA-C	6.83	1.02	155	<5.00	52.5	**2.39**	**6.83**	**474**	<0.040	<0.008	<0.500
SK-2000	GA-GC	6.02	1.34	155	<0.590	0.576	0.119	<0.059	<0.472	<0.002	<0.735	<0.059
SK-2000	NE-GI	7.3	1.41	**135**	<0.500	1.71	<0.050	<0.050	<0.400	<0.0008	<0.750	<0.050
SK-2000	NE-GI	7.06	1.49	144	<0.500	1.06	<0.050	0.109	<0.400	<0.0008	<0.750	<0.050
SK-2000	UT-SLC	8.39	1.18	154	<0.500	1.62	0.501	0.086	1.18	0.004	<0.750	<0.050
SK-2000	TX-D	7.02	0.86	>200	<5.00	53.4	**5.58**	**8.5**	**82.7**	<0.10	<0.45	<0.500
	Maximum	9.41	1.67	200	0.55	53.40	11.90	8.50	474.00	0.01	ND	ND

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

	Physical Properties		TCLP Metals Analysis (ppm)								
			D001	D004	D005	D006	D007	D008	D009	D010	D011
	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
	[illegible]	NA	< 140	5	100	1	5	5	0.2	1	5
LAB SITE											
Minimum	5.45	0.83	83	0.55	0.09	0.07	0.05	ND	ND	ND	ND
90th UCL for	8.05	1.25	146	ND	1.29	0.57	ND	1.09	ND	ND	ND
50th Percentile			149			0.57		1.14			

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
SK-1997	CA-E	2.84	<0.900	<1.00	<1.45	<1.45	<1.15	<1.55	<1.80	<0.950	<0.900
SK-1997	CA-S	<0.090	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1997	CO-E	<0.900	<0.900	<1.00	<1.45	<1.45	<1.15	<1.55	<1.80	<0.950	<0.900
SK-1997	IL-E	<1.750	<0.900	<1.00	<1.45	<1.45	<1.15	<1.55	<1.80	<0.950	<0.900
SK-1997	LA-K	<6.27	<6.27	<6.97	<10.1	<10.1	<8.02	<10.8	<12.5	<6.62	<6.27
SK-1997	MO-C	3	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	ND-B	<0.090	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1997	ND-F	<1.750	<0.900	<1.00	<1.45	<1.45	<1.15	<1.55	<1.80	<0.950	<0.900
SK-1997	NE-GE	1.976	<0.075	<0.080	<105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	NE-GI	0.957	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	NE-O	<0.090	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1997	NM-A	<1.750	<0.900	<1.00	<1.45	<1.45	<1.15	<1.55	<1.80	<0.950	<0.900
SK-1997	NY-A	2.835	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	NY-A	0.999	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	NY-NA	2.86	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	OR-C	0.76	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	SD-S	1.62	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1997	TN-K	<0.090	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1997	TN-N	0.949	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	TX-M	1.285	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1997	TX-M	0.462	<0.090	<0.100	<0.145	<0.145	<0.115	<0.155	<0.180	<0.095	<0.090
SK-1998	AZ-C	0.28	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	AZ-C	1.265	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	CA-S	<510	<150	<160	<210	<200	<190	<560	<660	<230	<390
SK-1998	FL-BB	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	FL-PC	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	FL-PC	154.8	<45.5	<48.6	<63.7	<60.7	<57.7	<170	<200	<69.8	<118
SK-1998	GA-C	0.297	<0.075	<0.080		<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-C	0.753	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-M	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-M	1.628	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	GA-MA	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	IL-E	<2.255	<0.665	<1.11	<1.13	<0.995	<0.965	<2.36	<2.94	<1.00	<1.48
SK-1998	IL-E	<0.345	<0.025	<0.100	<0.100	<0.075	<0.250	<0.475	<0.150	<0.125	<0.075

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
SK-1998	IL-E	1.156	<0.067	<0.111	<0.113	<0.100	<0.097	<0.236	<0.294	<0.100	<0.148
SK-1998	LA-K	1.422	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	MD-GB	1.091	<0.067	<0.070	<0.094	<0.093	<0.072	<0.236	<0.294	<0.086	<0.148
SK-1998	MD-GB	1.341	<0.067	<0.070	<0.094	<0.093	<0.072	<0.236	<0.294	<0.086	<0.148
SK-1998	MO-CG	1.589	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	MO-CG	0.774	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NC-C	0.732	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NE-GI	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NE-GI	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	NY-A	0.818	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-NA	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1998	NY-S	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	NY-S	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1998	SD-S	1.963	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	TX-E	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	VA-C	1.035	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	VA-C	1.569	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	WI-M	<0.255	<0.075	<0.080	<0.105	<0.100	<0.095	<0.280	<0.330	<0.115	<0.195
SK-1998	WI-M	<2.55	<0.750	<0.800	<1.05	<1.00	<0.950	<2.80	<3.30	<1.15	<1.95
SK-1999	GA-C	<34.3	<9.72	<16.4	<17.1	<14.9	<14.2	<35.1	<44.0	<14.9	<22.4
SK-1999	GA-M	<2.28	<0.67	<1.1	<1.1	<1.00	<0.97	<2.4	<2.9	<1.0	<1.5
SK-1999	ND-B	<0.228	<0.067	<0.11	<0.11	<0.10	<0.097	<0.24	<0.29	<0.10	<0.15
SK-1999	NY-A	0.974	<0.067	<0.11	<0.11	<1.01	<0.98	<2.4	<2.9	<1.0	<1.5
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-C	<400	<40	<40	<200	<200	<200	<200	<210	<200	<200
SK-2000	GA-GC	<17.6	<0.820	<0.820	<4.10	<4.10	<4.10	<4.10	<4.31	<4.10	<4.10
SK-2000	NE-GI	<0.20	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	NE-GI	<20.0	<0.020	<0.020	<0.10	<0.10	<0.10	<0.10	<0.11	<0.10	<0.10
SK-2000	UT-SLC	<100	<0.10	<0.10	<0.50	<0.50	<0.50	<0.50	<0.54	<0.50	<0.50
SK-2000	TX-D	<400	<40	<40	<200	<200	<200	<200	<200	<200	<200
	Maximum	154.80	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Semi Volatiles Analysis (ppm)

	Waste Codes	D026	D030	D032	D033	D034	D036	D037	D038	D041	D042
	Parameter	cresol	2,4-DNT	Cl6-benz	Cl6-1,3-but	Cl6-eth	nitrobenz	Cl5-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
	Reg Limit	200	0.13	0.13	0.5	3	2	100	5	400	2
LAB	SITE										
	Minimum	0.28	ND	ND	ND	ND	ND	ND	ND	ND	ND
	90th UCL for 50th Percentile	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	SITE											
SK-1997	CA-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.4	0.56	<0.100	<0.140
SK-1997	CA-S	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<1.20	0.38	<0.250	<0.350
SK-1997	CO-E	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<1.20	0.48	<0.250	<0.350
SK-1997	IL-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**1.24**	0.25	<0.140
SK-1997	LA-K	0.112	<0.100	0.104	<0.100	0.105	<0.100	<0.100	0.513	**2.61**	**0.925**	<0.140
SK-1997	MO-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.1	**1.1**	0.12	<0.140
SK-1997	ND-B	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.86**	0.22	<0.140
SK-1997	ND-F	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.83**	0.13	<0.140
SK-1997	NE-GE	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.37	0.18	<0.140
SK-1997	NE-GI	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.94**	<0.100	<0.140
SK-1997	NE-O	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.4	0.12	<0.140
SK-1997	NM-A	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.6	0.31	<0.100	<0.140
SK-1997	NY-A	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.74**	<0.100	<0.140
SK-1997	NY-A	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.33	<0.100	<0.140
SK-1997	NY-NA	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.74**	<0.100	<0.140
SK-1997	OR-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.966**	<0.100	<0.140
SK-1997	SD-S	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**1.3**	0.18	<0.140
SK-1997	TN-K	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.28	<0.100	<0.140
SK-1997	TN-N	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<0.250	<1.25	0.557	<0.250	<0.250
SK-1997	TX-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	3	0.36	<0.100	<0.140
SK-1997	TX-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.12	0.19	<0.140
SK-1998	AZ-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.22	0.17	<0.140
SK-1998	AZ-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.72**	0.15	<0.140
SK-1998	CA-S	**3.9**	<2.00	<2.00	<2.00	<2.00	<2.00	<4.00	<10.00	**1930**	**75**	<2.0
SK-1998	FL-BB	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.82	**0.97**	<0.100	<0.140
SK-1998	FL-PC	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.64	<0.100	<0.140
SK-1998	FL-PC	**2.26**	<1.30	<1.30	1.81	2.14	**1.84**	<1.90	7.75	**279**	**29.4**	<1.58
SK-1998	GA-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.26	<0.100	<0.140
SK-1998	GA-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.77	<0.100	<0.100	<0.140
SK-1998	GA-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.19	0.35	0.140	<0.140
SK-1998	GA-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.38	0.130	<0.140
SK-1998	GA-MA	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**2.14**	<1.00	<1.40
SK-1998	IL-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	61.9	**1.72**	0.29	<0.140
SK-1998	IL-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	61.3	**1.27**	0.27	<0.140

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	SITE											
SK-1998	IL-E	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.11	0.49	0.18	<0.140
SK-1998	LA-K	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	2.85	0.2	0.11	<0.140
SK-1998	MD-GB	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**1.13**	<0.100	<0.140
SK-1998	MD-GB	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.350	<0.100	<0.140
SK-1998	MO-CG	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	5.2	**9.44**	**1.23**	<1.40
SK-1998	MO-CG	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.47	<0.100	<0.140
SK-1998	NC-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.24	**1.09**	0.110	<0.140
SK-1998	NE-GI	<0.100	<0.100	<0.100	0.33	<0.100	<0.100	<0.100	<0.500	0.47	<0.100	<0.140
SK-1998	NE-GI	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.32	<0.100	<0.140
SK-1998	NY-A	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.79**	<0.100	<0.140
SK-1998	NY-NA	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	9.88	**1.58**	<0.100	<0.140
SK-1998	NY-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**45.6**	**1.63**	<1.40
SK-1998	NY-S	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	**65.240**	<1.0	<1.4
SK-1998	SD-S	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<1.00	<5.00	**11.2**	<1.00	<1.40
SK-1998	TX-E	<1.00	<1.00	<1.00	**12**	<1.00	<1.00	<1.00	<5.00	**3.05**	<1.00	<1.40
SK-1998	VA-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.58	<0.100	<0.140
SK-1998	VA-C	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.490	<0.100	<0.140
SK-1998	WI-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	**0.81**	<0.100	<0.140
SK-1998	WI-M	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.500	0.25	<0.100	<0.140
SK-1999	GA-C	0.365	<0.290	<0.290	<0.290	<0.440	<0.290	<0.390	0.839	**26.8**	**1.73**	<0.208
SK-1999	GA-M	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	**3.73**	0.27	<0.14
SK-1999	ND-B	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	**7.7**	<2.0	<1.4
SK-1999	NY-A	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	0.48	0.33	<0.14
SK-2000	GA-C	<20	<20	<20	<20	<50	<20	<40	<50	**1030**	**70.4**	<15
SK-2000	GA-C	<20	<20	<20	<20	<50	<20	<40	<50	**1080**	**65.4**	<15
SK-2000	GA-C	<20	<20	<20	<20	<50	<20	<40	<50	**1080**	**65.4**	<15
SK-2000	GA-C	<20	<20	<20	<20	<50	<20	<40	<50	**1030**	**70.4**	<15
SK-2000	GA-GC	0.236	<0.200	<0.200	<0.200	0.215	<0.200	<0.204	0.518	**13.4**	**0.792**	<0.14
SK-2000	NE-GI	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.50	<0.649	<0.20	<0.14
SK-2000	NE-GI	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.20	0.201	<0.10	<0.10
SK-2000	UT-SLC	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	6.608	**1.571**	0.245	<0.14
SK-2000	TX-D	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<4.0	<5.0	<2.0	<2.0	<1.5
	Maximum	3.90	ND	0.10	12.00	2.14	1.84	ND	61.90	1930.00	75.00	ND

WASTE PARTS WASHER TANK BOTTOMS

Total # of Samples: 66

TCLP Volatiles Analysis (ppm)

	Waste Codes	D018	D019	D021	D022	D027	D028	D029	D035	D039	D040	D043
	Parameter	benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChloride
	Reg Limit	0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB	SITE											
	Minimum	0.11	ND	0.10	0.33	0.11	1.84	ND	0.51	0.12	0.11	ND
	90th UCL for	ND	ND	ND	ND	ND	ND	ND	ND	**0.966**	ND	ND
	50th Percentile									**0.966**	0.12	

2001 ANNUAL RECHARACTERZATION CODE LIST

Physical Properties

pH	pH
SG	Specific Gravity
FP	Flash Point

Metals

As	Arsenic
Ba	Barium
Cd	Cadmium
Cr	Chromium
Pb	Lead
Hg	Mercury
Se	Selenium
Ag	Silver

Semi- Volatiles

Cresol	2,3 & 4 Methylphenol
2,4DNT	2,4 Dinitrotoluene
Cl6-benz	Hexachlorobenzene
C16-1,3But	Hexachloro 1,3 Butadiene
C16-eth	Hexachloroethane
Nitrobenz	Nitrobenzene
C15-phen	pentachlorophenol
pyridine	Pyridine
2,4,5 TCP	2,4,5 Trichlorophenol
2,4,6,TCP	2,4,6 Trichlorophenol

Volatiles

benzene	Benzene
CCl4	Carbon Tetrachloride
Clbenz	Chlorobenzene
CHCl3	Chloroform
1,4-DCIB	1,4 Dichlorobenzene
1,2DCA	!,2 Dichloroethane
1,1-DCE	1,1 Dichloroethylene
MEK	Methyl Ethyl Ketone
PCE	Perchloroethylene
TCE	Trichloroethylene
Vchloride	Vinyl Chloride

2001 ANNUAL WASTE STREAM RECHARACTERIZATION SAMPLING SITE CODES

AZ-C	Chandler, AZ
AZ-T	Tuscon, AZ
CA-E	El Monte, CA
CA-F	Fresno, CA
CA-O	Oakland, CA
CA-R	Reedley, CA
CA-RP	Rohnert Park, CA
CA-S	Sylmar, CA
CA-SA	Santa Anna, CA
CA-SAL	Salida, CA
CO-E	Englewood, CO
CO-GJ	Grand Junction, CO
CO-P	Pueblo, CO
FL-BB	Boyton Beach, FL
FL-PC	Port Charlotte, FL
GA-C	Columbus, GA
GA-G	Garden City, GA
GA-M	Macon, GA
GA-MO	Morrow, GA
GA-N	Norcross, GA
ID-B	Boise, ID
IL-D	Dolton, IL
IL-E	Elgin, IL
KS-D	Dodge City, KS
KS-E	Edwardsville, KS
KS-W	Wichita, KS
KY-L	Lexington, KY
KY-A	Ashland, KY
LA-K	Kenner, LA
LA-P	Pineville, LA
MD-GB	Glen Burnie, MD
MI-P	Pontiac, MI
MN-E	Eagan, MN
MN-B	Blaine, MN
MO-SC	Saint Charles, MO
MO-CG	Cape Girardeau, MO
MS-J	Jackson, MS
NC-A	Archdale, NC
NC-C	Columbia, NC
NC-R	Raliegh, NC
ND-B	Bismark, ND
ND-F	Fargo, ND
NE-GE	Gering, NE
NE-GI	Grand Island, NE
NE-O	Omaha, NE
NM-A	Albuquerque, NM
NM-F	Farmington, NM
NY-A	Avon, NY
NY-C	Cohoes, NY
NY-L	Lackawanna, NY
NY-NA	North Amityville, NY
NY-S	Syracruse, NY
OH-H	Hebron,OH
OR-C	Clackamas, OR
PA-W	Wheeling, PA
SC-G	Garden City, SC
SD-S	Sioux Falls, SD
TECH CTR	Technical Center, IL
TN-K	Knoxville, TN
TN-N	Nashville, TX
TX-D	Denton, TX
TX-E	El Paso, TX
TX-L	Longview, TX
TX-M	McAllen, TX
TX-P	Pasadena, TX
UT-SLC	Salt Lake City, UT
VA-C	Chester, VA

2001 ANNUAL WASTE STREAM RECHARACTERIZATION
SAMPLING SITE CODES

MO-C	Columbia, MO
WA-L	Lynnwood, WA
WA-S	Spokane, WA
WI-M	Madison, WI
WV-P	Poca, WV

ATTACHMENT B

SECURITY MEASURES

SECURITY MEASURES

The facility is secured with a six-foot high chain link fence topped by three strands of barbed wire inside a coil of barbed wire. Access gates are locked when the facility is unoccupied. Warning signs in English and Spanish are placed at the entrances stating "Danger - Unauthorized Personnel Keep Out", and are visible from twenty-five feet. An electronic entrance gate is located at the front of the facility which can automatically be opened and closed to allow trucks to enter and exit. In addition, outdoor lights are on sensoring devices that activate at low light conditions.

The office/warehouse building is secured with locks on all doors and warning signs are posted at all entrances to work and waste storage areas. These warning signs are posted in both English and Spanish.

The tanks are inaccessible in that material can not be added to or removed from them without activating the pumps, the controls for which are outside the return and fill station. The pumps are not activated unless solvent product or waste is being added to or removed from the tanks by Safety-Kleen personnel. The container storage area is also locked during non-operating hours. As a result the tanks and container storage areas are accessible only by Safety-Kleen personnel. In addition, warning signs are posted on the return and fill station. These warning signs are posted in both English and Spanish.

ATTACHMENT C

INSPECTION PLAN

INSPECTION PLAN

C.1 INSPECTION PROCEDURES

The Service Center Manager (i.e., Branch Manager) or designate is responsible for carrying out and documenting the facility inspection (example inspection forms are in Attachment C-1). The inspections are performed each operating day. He must note any repairs that are needed and assure that they are completed. If the repairs cannot be implemented by onsite personnel, the Technical Services Department at Safety-Kleen's corporate headquarters must be notified for assistance. Completion of repairs must also be documented on the inspection form.

The Environmental Compliance Manager or other regional or corporate personnel responsible for compliance issues reviews the Facility Inspection Record with the Branch Manager periodically to insure that they are properly completed and that any necessary repairs have been conducted.

The facility inspection includes the following:

a. Tank Inspections --At a minimum, the tanks holding the solvent product and used solvent are inspected each operating day. The inspections include checks of the high level alarm, the volume held in the tank and checks of the leak detection system for any releases. Sudden deviations in the solvent volumes will be investigated and their causes determined. If necessary, repairs must be initiated immediately. When the tank used to store used solvent is 85% full, a pickup must be scheduled with Safety-Kleen's corporate dispatch department. The solvent must not exceed 95% of the tank volume at any time. The tanks are also inspected to comply with Subpart CC requirements.

   A liquid sensing leak detector is between the two walls (secondary containment) of the tanks and the recorder chart must be checked weekly. Any leaks detected which may indicate damage to the secondary containment must be noted and repairs initiated.

b. Solvent dispensing equipment--The solvent dispensing hose, connections and valves must be inspected for damage (such as cracks or leaks) and proper functioning each operating day. Any solvent in the hoses must be drained after use. The pumps, pipes and fittings must also be checked before use for damage and proper functioning. Any damage to the solvent dispensing equipment must be noted and repaired. The dispensing equipment is also inspected to comply with Subpart BB requirements.

c. Drum storage areas--The drum storage area is inspected each operating day and the number and condition of the drums noted. Container inspections are also conducted to comply with Subpart CC requirements. The total volume of the used solvent held in the drum storage area must not exceed ten times the amount that can be collected in the secondary containment system. The contents of any leaking or suspect drums must be placed in a drum of adequate

U.S. DOT, EPA and New Mexico hazardous waste regulations. The secondary containment systems must be inspected for deterioration on failure. If cracks or leaks are detected, they must be repaired immediately.

d. Route vehicles--Each route vehicle must be inspected prior to use to insure proper operation. In addition, necessary safety equipment must be on board and may include sorbents, fire extinguisher, eye wash, first aid kit, reflector kits, rubber gloves, plastic aprons, and safety glasses.

e. Dumpster/Drum washers--The two wet dumpsters/drum washers (in the return and fill station) must be inspected weekly for leaks and sediment buildup. Any leaks must be noted and repaired immediately and excess sediment must be removed from the dumpster.

f. Safety equipment--The fire extinguishers must be checked weekly to insure that the units are charged and accessible. In addition, the operation of the eyewash must be confirmed weekly and the first aid kit and sorbents must be inspected weekly for adequate content and accessibility. Emergency equipment information is in Attachment F.

g. Security--The operation of each outside light, gate, and lock must be checked each operating day. In addition, the fence must be inspected for deterioration on a weekly basis.

C.2 SUBPART CC COMPLIANCE

Safety-Kleen has developed a Subpart CC Compliance Plan, which details procedures to achieve compliance with Subpart CC requirements. The plan includes provisions for an annual visual tank inspection of the waste solvent storage tank (to the extent possible) and vent system, as well as container inspections upon arrival at the facility and proper container management. A copy of the Subpart CC Compliance Plan is included in Attachment C-2.

C.3 SUBPART BB COMPLIANCE

Safety-Kleen complies with Subpart BB requirements by inspecting the process piping and equipment. Each valve, joint, flange, pressure relief device, pump, etc. is inspected to insure the equipment is not leaking and is functioning properly. Open-ended pipes are capped when not in use. An equipment inventory for inspections (Attachment C-3) is used to document compliance with Subpart BB inspections, and as required by 40 CFR 270.25.

ATTACHMENT C-1

EXAMPLE INSPECTION FORMS

INSPECTION LOG SHEET FOR:
Daily Inspection of CONTAINER STORAGE AREA
(A separate log must be completed for each storage area.)

EXAMPLE

DESCRIPTION OF AREA (e.g., metal shelter, northeast corner of warehouse, etc.) _____

PERMITTED STORAGE VOLUME _____

INSPECTOR'S NAME/TITLE _____

INSPECTOR'S SIGNATURE:				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

DATE (M/D/Y) ____/____/____ ____/____/____ ____/____/____ ____/____/____ ____/____/____

TIME _____ _____ _____ _____ _____

CONTAINERS	MON.	TUES.	WED.	THURS.	FRI.
Total Volume* of _____ ** waste:					
Total Volume of _____ ** waste:					
Total Volume of _____ ** waste:					
Total Volume of _____ ** waste:					
Total Volume of _____:					
TOTAL VOLUME (IN GALLONS):					
	A*** N	A N	A N	A N	A N

If 'N', circle appropriate problem: Total volume exceeds the amount for which the facility is permitted, other: _____

Condition of Containers: A N A N A N A N A N

If 'N', circle appropriate problem: missing or loose lids, missing, incorrect or incomplete labels, rust, leaks, distortion, other: _____

Stacking/Placement/Aisle Space: A N A N A N A N A N

If 'N', circle appropriate problem: different from Part B Floor Plan, containers not on pallets, unstable stacks, broken or damaged pallets, other: _____

CONTAINMENT

Curbing, Floor and Sump(s): A N A N A N A N A N

(Any material which spills, leaks or otherwise accumulates in the secondary containment must be completely removed within 24 hours of it being discovered.)

If 'N', circle appropriate problem: ponding/wet spots, deterioration (cracks, gaps, etc.), displacement, leaks, inadequate sealant, other: _____

Loading/Unloading Area: A N A N A N A N A N

If 'N', circle appropriate problem: cracks, deterioration, ponding/wet spots, other: _____

OBSERVATIONS, COMMENTS, DATE AND NATURE OF REPAIRS OF ANY ITEMS INDICATED AS "NOT ACCEPTABLE": _____

* When calculating total volumes, assume the containers are full.

** Enter a short description of the waste (e.g., M.S., I.C., paint, etc.) _____

*** A = Acceptable N = Not Acceptable

INSPECTION LOG SHEET FOR:
Daily inspection of STORAGE TANK SYSTEM

EXAMPLE

INSPECTOR'S NAME/TITLE _____

INSPECTOR'S SIGNATURE:				
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

	MON.	TUES.	WED.	THURS.	FRI.
TRANSFER PUMPS AND HOSES					
Pump Seals:	A* N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Motors:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: overheating, other: _____					
Fittings:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, other: _____					
Valves:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: leaks, sticking, other: _____					
Hose Connections and Fittings:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracked, loose, leaks, other: _____					
Hose Body:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: crushed, thin spots, leaks, other: _____					
RETURN AND FILL STATION					
Wet Dumpster:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: sediment buildup, leaks, rust, split seams, distortion, deterioration, excess debris, other: _____					
Secondary Containment:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: sediment/liquid, leaks, deterioration, distortion, excess debris, other: _____					
Loading/Unloading Area:	A N	A N	A N	A N	A N
If 'N', circle appropriate problem: cracks, ponding/wet spots, deterioration, other: _____					

OBSERVATIONS, COMMENTS, DATE AND NATURE OF REPAIRS OF ANY ITEMS INDICATED AS "NOT ACCEPTABLE": _____

_____

_____

_____

_____

_____

*A = Acceptable N = Not Acceptable

EXAMPLE

INSPECTION LOG SHEET FOR:
Weekly Inspection of SAFETY AND EMERGENCY EQUIPMENT, SECURITY DEVICES AND MISCELLANEOUS EQUIPMENT

INSPECTOR'S NAME/TITLE _____

INSPECTOR'S SIGNATURE:
(SIGN ON THE DAY INSPECTION IS PERFORMED; PERFORM INSPECTION ON THE SAME DAY EVERY WEEK.)

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY

___/___/___	___/___/___	___/___/___	___/___/___	___/___/___
DATE (M / D / Y)				
_____	_____	_____	_____	_____
TIME				

SAFETY AND EMERGENCY EQUIPMENT

Fire Extinguishers: A* N
If 'N', circle appropriate problem: overdue inspection, inadequately charged, inaccessible, other: _____

Eyewash and Shower: A N
If 'N', circle appropriate problem: disconnected or malfunctioning valves, inadequate pressure, inaccessible, malfunctioning drain, leaking, other: _____

First Aid Kit: A N
If 'N', circle appropriate problem: inadequate inventory, other: _____

Spill Cleanup Equipment: A N
If 'N', circle appropriate problem: inadequate supply of sorbent, towels and/or clay, inadequate supply of shovels, mops, empty drums, wet/dry vacuum, other: _____

Personal Protection Equipment: A N
If 'N', circle appropriate problem: inadequate supply of malfunctioning or inadequate aprons, gloves, glasses, respirators, emergency respirators, emergency respirator is missing components, items requiring security or clean environment are exposed to the environment, other: _____

Communication Devices: A N
If 'N', circle appropriate problem: inadequate supply of telephones, malfunctioning telephone(s), malfunctioning intercom, emergency alarm does not work, telephones are not located where needed, other: _____

SECURITY DEVICES

Gates and Locks: A N
If 'N', circle appropriate problem: sticking, corrosion, lack of warning signs, fit, other: _____

Fence: A N
If 'N', circle appropriate problem: broken ties, corrosion, holes, distortion, other: _____

MISCELLANEOUS EQUIPMENT

Dry Dumpster: A N
If 'N', circle appropriate problem: rust, corrosion, split seams, distortion, deterioration, excess debris, liquids in unit, other: _____

OBSERVATIONS, COMMENTS, DATE AND NATURE OF REPAIRS OF ANY ITEMS INDICATED AS "NOT ACCEPTABLE": _____

_____

_____

* A = Acceptable N = Not Acceptable

EHS #10

EXAMPLE

LEAK DETECTION AND REPAIR RECORD

EQUIPMENT I.D.# _____ BRANCH # _____
DESCRIPTION _____

	DATE	INSPECTOR'S SIGNATURE
HOW WAS POTENTIAL OR ACTUAL LEAK DETECTED? _____	_____	_____
DESCRIBE THE POTENTIAL OR ACTUAL LEAK: _____		
INSTRUMENT MONITORING WITHIN FIVE DAYS	_____	_____
(1.) RESULTS _____		
REPAIR ATTEMPT METHOD _____	_____	_____
(2.) RESULTS _____		
REPAIR ATTEMPT METHOD _____	_____	_____
(3.) RESULTS _____		
DATE OF SUCCESSFUL REPAIR (must be completed w/in 15 days)	_____	_____
METHOD _____		
(4.) RESULTS _____		
FOLLOWUP MONTHLY MONITORING FOR VALVES		
(5.) RESULTS _____	_____	_____
(6.) RESULTS _____	_____	_____

MONITORING SUMMARY

	(REFERENCE NUMBER - SEE ABOVE)					
	(1)	(2)	(3)	(4)	(5)	(6)
INSTRUMENT #/OPERATOR	___	___	___	___	___	___
CALIBRATION	___	___	___	___	___	___
BACKGROUND READING	___	___	___	___	___	___
READING AT EQUIPMENT	___	___	___	___	___	___
LEAK DETECTED?	___	___	___	___	___	___

ATTACH ANY DOCUMENTATION PREPARED BY THE CONSULTANT

_____

EXAMPLE

Subpart CC Visual Inspection Checklists

End of Week Container Inspection

End of Week Container Inspection- Complete this checklist on the last day of the service week when the facility inspection will not be conducted within 24 hours. This inspection on containers will supplement container inspections completed during facility inspections during the work week.

Inspector Name: _____ Signature: _____

Date of inspection: _____

Condition of containers: (Circle "A" if the condition of all containers is acceptable; circle "N" if the condition of one or more containers is not acceptable.)

A N

If "N", circle appropriate problem: missing or loose lids, missing, incorrect or incomplete labels, rust, leaks, distortion, other: _____.

Action taken to correct unacceptable condition:

_____.

Annual Visual Tank Inspection

Visual Tank Inspection- Complete this inspection once in January and once in July to satisfy the annual inspection required under Subpart CC.

Inspector Name: _____ Signature: _____

EXAMPLE

ATTACHMENT C-2

SAFETY-KLEEN SUBPART CC COMPLIANCE PLAN

SUBPART CC COMPLIANCE PLAN

Safety-Kleen Systems, Inc.
2720 Girard NE
Albuquerque, New Mexico 87107
NMD000804294

The Safety-Kleen Albuquerque, New Mexico facility shall control air pollutant emissions from waste management units at this facility pursuant to the requirements of RCRA Subpart CC, through implementation of this compliance plan.

The following plan describes this facility's waste determination procedures, tank and container design/management practices, organic emission controls, inspection and monitoring, and recordkeeping and reporting, pursuant to requirements/standards promulgated under RCRA Subpart CC.

Waste Determination Procedures

For purposes of waste determination, this facility utilizes knowledge developed in the Waste Characteristics portion of the Operation Plan/Permit. For those hazardous waste which are managed on a transfer basis, and which are not described in the Operation Plan/Permit, the Subpart CC regulation does not apply. However, the owner/operator may use knowledge of the waste based on information included in manifests, shipping papers, or waste certification notices to confirm waste determination for the generator or the ultimate receiving facility.

Based upon this knowledge, it has been determined that all wastes managed in tanks or containers at this facility may display an average volatile organic concentration of greater than 500 ppmw at the point of waste origination. Therefore, all hazardous wastes managed in tanks or containers at this facility shall be managed in accordance with the applicable Subpart CC standards.

Point of Waste Origination

The point of waste origination for all wastes generated offsite and transported to the site in closed containers, which are subsequently managed in tanks or containers at this facility, is effectively the site boundary at the entrance gate.

For those hazardous wastes generated onsite, the point of waste origination is the point of waste generation, as previously defined in RCRA.

Tanks

Tanks which manage organic wastes at this facility are described in detail in the Operation Plan/Permit. Certain features of these units, as they relate to the Subpart CC standards, are described below.

Waste mineral spirits USTs and ASTs are fixed roof, non-pressurized, quiescent tanks. All waste tanks at the facility are Level 1 tanks under Subpart CC. The tank design capacity is less than 20,000 gallons, and the waste in these tanks exhibits a vapor pressure of less than 76.6 kPa (11.1 psi). The actual vapor pressure of the waste managed in tanks is ≈0.2 psia. The

maximum organic vapor pressure is determined using knowledge of the waste pursuant to 265.1084(c)(4). Documentation for the basis of this determination is found in the Waste Characteristics portion of the Operation Plan/Permit.

These tanks are designed so that all cover openings can be closed with no visible gaps, holes, cracks, or other open spaces into the interior of the tank. The cover and all cover openings operate with no detectable emissions when in a closed position. Cover openings are maintained in a closed position at all times except when waste is being added to or removed from the tank, or when necessary sampling or repair/maintenance is performed on the tanks.

These tanks are vented to the atmosphere through a safety device (conservation vent) which has been designed to operate with no detectable organic emissions when the device is in the closed position. In addition, these tanks are designed with a long-bolted manway pressure relief device, which remains in the closed position when not in use to relieve pressure.

The drum washing units at this facility are fixed roof, Level 1 tanks. These tanks are kept closed except when adding or removing wastes, sampling, or performing routine maintenance that requires the lid to be open.]

Containers

Containers which manage organic wastes at this facility are described in detail in the Operation Plan/Permit. Certain features of these units, as they relate to the Subpart CC regulations, are described below.

Containers managing hazardous wastes at this facility generally fall into three categories. (1) Those hazardous waste containers that are less than 26 gallons in capacity are wholly exempt from consideration under Subpart CC. S-K manages wastes with vapor pressures greater than 0.3 kPa at 20 ° C (e.g. lacquer thinner) in containers less than 26 gallons. In addition, containers of wastes that are transferred through the facility are still "in the course of transportation," and therefore are exempt from Subpart CC. (2) Containers with capacities between 26 and 122 gallons are all Level 1 containers, and generally meet the Level 1 standards as covered containers designed and operated with no gaps, holes, cracks, or other open spaces into the container. In addition, all Safety-Kleen containers used to manage waste meet applicable U.S. DOT regulations on packaging hazardous materials for transportation. S-K does not typically manage wastes with vapor pressures greater than 0.3 kPa at 20 ° C in containers with capacities between 26 and 122 gallons. Non-typical wastes that may be received in containers between 26 and 122 gallons and have vapor pressures that are greater than 0.3 kPa at 20 ° C, are managed "in the course of transportation" and are exempt from Subpart CC, as described in 1) above. (3) Containers with capacities greater than 122 gallons that manage hazardous wastes at this facility are not in light material service (i.e. containers greater than 122 gallons are not used to manage wastes with vapor pressures greater than 0.3 kPa at 20 ° C). Containers greater than 122 gallons are however, Level 1 covered containers designed and operated with no gaps, holes, cracks, or other open spaces into the container. In addition, all Safety-Kleen containers used to manage wastes comply with applicable U.S. DOT regulations on packaging hazardous materials for transportation.

Inspection and Monitoring

Hazardous wastes accepted from off-site generators are already containerized when the facility accepts the waste. Such containers are visually inspected either at the time they are unloaded

for storage or staged for transfer at the facility, or during the daily facility inspection. The inspection occurs within 24 hours of the waste's arrival at the facility. This written plan and schedule to perform the inspections is incorporated in the facility inspection plan by this reference.

No defects were noted on the used solvent underground storage tank, which could result in air pollutant emissions. Visual tanks inspections shall be conducted on an annual basis.

Recordkeeping

Documentation of tank and tank cover design: See Operation Plan/Permit.

Documentation of waste determination: See Waste Characteristics portion of Operation Plan/Permit.

Records of all visual inspection: See daily facility inspection records, and enclosed record of initial tank inspection.

Listing of all tanks, by unique identifying number, which are difficult or unsafe to inspect: See enclosed.

Results of the determination of the maximum vapor pressure of waste in tanks and record of the tank dimensions and design capacity: See Operation Plan/Permit.

Safety-Kleen Solvents
Vapor Pressure Summary
(Isoteniscope Method)

Product Name	Product Number	68° F (20° C)				100° F (38° C)			
		mm-Hg	psia	K Pa	atm	mm-Hg	psia	K Pa	atm
S-K 105	6614 (CA) 6617 (Non-CA)	2	0.039	0.267	.003	6	0.116	0.800	0.008
S-K 140	6616	<1	<0.019	<0.133	<0.001	1.5	0.029	0.200	0.002
S-K 150 (Premium)	6605	.6	0.012	0.080	0.001	1.7	0.033	0.227	0.002
Immersion Cleaner	699	<0.41	<0.0079	<0.055	_	_	_	_	_
Actrel PC-95	6608	.02	0.0004	0.003	0.001	_	_	_	_
Heavy Duty Lacquer Thinner	6782	75-94.7	1.45-1.83	10-12.6	0.10-0.134	_	_	_	_
Low V.P. Lacquer Thinner	6664	24-35	0.46-0.68	3.20-4.67	0.03-0.05	_	_	_	_

ATTACHMENT C-3

EQUIPMENT INVENTORY FOR INSPECTIONS

MASTER LIST

DATE 03-01-91
BRANCH # 7-008-01
PREPARER'S SIGNATURE Dave Rockwell

SIZE	INDIVIDUAL NUMBER	TYPE	SPENT SOLVENT STORAGE TANK HAZARDOUS WASTE MANAGEMENT UNIT	LOCATION
1½"	45	UNION	DISCHARGE SIDE OF RECIRCULATING PUMP INSIDE BARREL WASHER LEFT SIDE	Refer to site plan
1½"	44	BALL VALVE	ON/OFF DISCHARGE SIDE OF RECIRCULATING PUMP MID LEFT SIDE OF BARREL WASHER	
1½"	43	UNION	DISCARGE SIDE OF RECIRCULATING PUMP MID LEFT SIDE OF BARREL WASHER	
1½"	42	UNION	DISCHARGE SIDE OF RECIRCULATING PUMP LOWER LEFT SIDE OF BARREL WASHER	
--	4	PUMP	RECIRCULATING PUMP LOWER LEFT SIDE OF BARREL WASHER	
2"	46	UNION	SUCTION SIDE RECIRCULATING PUMP LOWER LEFT SIDE OF BARREL WASHER	
2"	26	BALL VALVE	ON/OFF SUCTION SIDE TRASH PUMP CENTER UNDER BARREL WASHER	
--	5	PUMP	TRASH PUMP LOWER RIGHT FRONT OF BARREL WASHER	
2"	14	FLANGE/UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT FRONT OF BARREL WASHER	
2"	15	FLANGE/UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT REAR OF BARREL WASHER	
2"	27	UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT REAR OF BARREL WASHER	

FLANGE LIST

PAGE

DATE 03-07-91
BRANCH # 7-008-01
PREPARER'S SIGNATURE Dan Rockwell

	FLANGE SIZE	INDIVIDUAL FLANGE NUMBER	FLANGE TYPE	HAZARDOUS WASTE MANAGEMENT UNIT	LOCATION
	1½"	45	UNION	DISCHARGE SIDE OF RECIRCULATING PUMP INSIDE BARREL WASHER LEFT SIDE	Refer to site plan
	1½"	43	UNION	DISCHARGE SIDE OF RECIRCULATING PUMP MID LEFT SIDE OF BARREL WASHER	
	1½"	42	UNION	DISCHARGE SIDE OF RECIRCULATING PUMP LOWER LEFT SIDE OF BARREL WASHER	
	2"	46	UNION	SUCTION SIDE RECIRCULATING PUMP LOWER LEFT SIDE OF BARREL WASHER	
	2"	14	FLANGE/UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT FRONT OF BARREL WASHER	
	2"	15	FLANGE/UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT REAR OF BARREL WASHER	
	2"	27	UNION	DISCHARGE SIDE OF TRASH PUMP LOWER RIGHT REAR OF BARREL WASHER	

VALVE LIST

PAGE-

DATE 03-01-91
BRANCH # 7-008-01
PREPARER'S SIGNATURE

	VALVE SIZE	INDIVIDUAL VALVE NUMBER	VALVE TYPE	HAZARDOUS WASTE MANAGEMENT UNIT	LOCATION
	1½"	44	BALL VALVE	ON/OFF DISCHARGE SIDE OF RECIRCULATING PUMP MID LEFT SIDE OF BARREL WASHER	Refer to site plan
	2"	26	BALL VALVE	ON/OFF SUCTION SIDE TRASH PUMP CENTER UNDER BARREL WASHER	

PUMP LIST

DATE 03-01-91

BRANCH # 7-008-01

PREPARER'S SIGNATURE Dan Rockwell

	PUMP NUMBER	PUMP DESCRIPTION	HAZARDOUS WASTE MANAGEMENT UNIT	LOCATION
	4	RECIRCULATING PUMP	SPENT SOLVENT STORAGE TANK	Refer to site plan
	5	TRASH RETURN PUMP	SPENT SOLVENT STORAGE TANK	

SOUTHWEST INDUSTRIAL CONSTRUCTORS, INC.
121 Exposition Street
DENTON, TEXAS 76205
(817) 566-1899
FAX (817) 898-1035

JOB _____

SHEET NO. _____ OF _____

CALCULATED BY _____ DATE _____

CHECKED BY _____ DATE _____

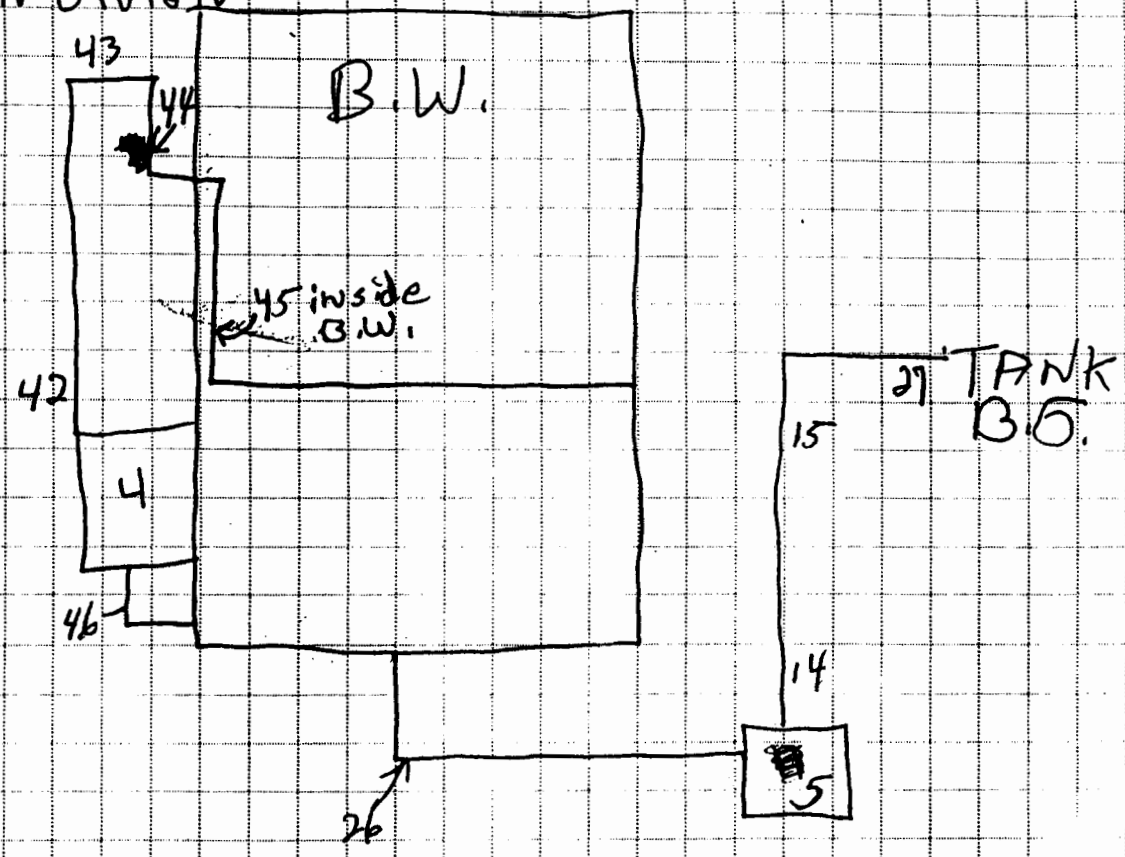
SCALE _____

26, BALL VALVE
27. UNION

44 BALL VALVE 1½

42, 43, 45 1½ UNIONS

46 2in UNION



ATTACHMENT D

PERSONNEL TRAINING

PERSONNEL TRAINING

D.1 OUTLINE OF TRAINING PROGRAM

Each employee is trained to operate and maintain the facility safely, and to understand hazards unique to the job assignment. This section contains information on service center personnel and trainers, job descriptions, training outlines and training record forms. All employees at the facility have had training that satisfies the requirements of 40 CFR 264.16. The regional environmental professional directly assists with the training of new Branch Managers. The Branch Manager, in turn, trains his employees. An employee may not work in an unsupervised position until he or she has received proper training as outlined in Attachment D-2.

D.2 ORGANIZATION STRUCTURE AND JOB DESCRIPTIONS

Environmental compliance and training of facility employees is the responsibility of the Branch Manager. The Safety-Kleen corporate office provides a training program to be executed annually. The training program is directed by personnel trained in hazardous waste management procedures and includes instruction on hazardous waste management for facility personnel that is in accordance with 40 CFR 264.16(a)(2). In accordance with 40 CFR 264.16(d)(1), job descriptions for branch personnel are in Appendix D-2. A list of employees, their job titles and job functions will be maintained at the facility.

D.2.1 Branch Manager

The Branch Manager (which may include the resource recovery manager, branch sales manager, branch automotive manager, etc. or designate) is ultimately responsible for the operations at the service center. The sales representatives, secretary and Material Handler report to the Branch Manager and he, in turn, must provide the training and materials necessary for the branch employees to execute their duties. With respect to environmental compliance, the Branch Manager must:

a. keep the service center clean and orderly;

b. execute or designate an employee to execute the daily inspection, keep a written log and remediate any problems;

c. know the potential hazards of the material and waste handled on site;

d. identify potential spill and fire sources and be able to execute the contingency plan;

e. inform all employees of their environmental responsibilities;

f. act as emergency coordinator and notify the proper authorities during an emergency, remediate the situation to the best of his abilities, and submit necessary reports to the corporate office; and

g. maintain all environmental records (such as manifests, training records and spill reports) on file.

D.2.2 Corporate Compliance Department

Safety-Kleen's Corporate Compliance Department has personnel on staff who provide guidance to divisional and regional personnel for training, permitting, and other compliance issues for service centers in a given geographic area of the country.

D.3 DESCRIPTION OF THE TRAINING PROGRAM

Employee training is accomplished using classroom, videotape, and on-the-job methods. This training is sufficient to allow the Branch Manager to in turn train his facility employees. The regional/corporate offices prepare a training program for employees, and documents that the program has been executed.

Facility employees are trained prior to starting or as soon as he or she begins working (depending on his or her position) and annually thereafter. Safety-Kleen ensures that the Branch Manager has received adequate training in order to train branch personnel. An example training outline is provided in Attachment D-2, and demonstrates that facility personnel are trained in hazardous waste management procedures.

D.3.1 Training of new Branch Managers

New managers are trained for several weeks before they begin their new positions. This training includes onsite, on the job, and offsite classroom training. While being trained at a designated "training facility", a new manager reviews all environmental records and learns the record keeping requirements. These records include: Waste Analysis Profiles, manifests, personnel records, training records, facility inspection records, and spill reports.

The training culminates with additional training at his/her new facility, under the direction of an environmental professional. This training may include a review of the facility permit, Part A and Part B permit application including the Waste Analysis Plan, Inspection Plan Preparedness and Prevention Plan, Contingency Plan, Training Plan and Closure Plan. Additional time is used reviewing past environmental compliance at the Branch Manager's facility and regulations unique to his state are discussed as well.

D.3.2 Training of New Branch Secretaries

Branch secretaries are trained in the proper record keeping procedures as soon as they begin working for Safety-Kleen. While they are not usually responsible for preparing the documentation, they must check it for accuracy and completeness and then process or file it as required. Additional training is overseen by the Branch Manager and is done within six months of starting. It includes the items listed in the Example Training Plan Outline (Attachment D-1), and may include emergency response, shipping documents (including manifests), drum labels and other safety and environmental compliance issues.

D.3.3 Training of Sales Managers

A Branch Sales Manager is a middle management position created to supervise the sales force within a specific line of services. The Sales Manager position will be particular to a specific line of Safety-Kleen business and will be filled according to the needs of the facility. The primary goal of this position is to direct and assist the Branch Manager in attaining sales goals in a specific line of business which Safety-Kleen offers. Though most training for this position is within the area of sales, the Sales Manager also receives the training in the Example Training Outline in Attachment D-1. A Sales Manager may also be trained as the designate for performing facility inspection. A review of the Contingency Plan with the Branch Manager (or designate) is required. A job description for this position can be found in Attachment D-2.

D.3.4 Training of New Sales Representatives

New sales representatives are trained onsite where they are introduced to manifests, facility inspection records, and training records. A sales representative may also be trained as the designate for performing the facility inspection. Additional training may be in the form of videotape presentations and a review of the Contingency Plan. The Contingency Plan must be reviewed with the Branch Manager (or designate) before the sales representative formally begins their new position and annually thereafter. All items listed in the Example Training Plan Outline (Attachment D-1) must be explained within six months of starting.

D.3.5 Training of New Material Handlers

A Material Handler is trained to maintain the service center and assist the other branch employees in their tasks. He/She may be a designate for the facility inspection and must be trained by the Branch Manager (or designate) as such. Within two weeks, the Branch Manager (or designate) must review the Contingency Plan with the Material Handler, and within six months the Material Handler must review the items listed in the Example Training Plan Outline (Attachment D-1).

D.3.6 Annual Training

On an annual basis, employees are trained using a program prepared and updated annually by the Safety-Kleen regional and/or corporate compliance offices and health and safety department. The annual training includes updates on environmental regulations, an in-depth review of the Contingency Plan and a review of RCRA inspection criteria.

Service center employees must annually review the items listed in the Example Training Plan Outline. This review may be in the form of slide/tape, videotapes and/or classroom presentation, and a review and discussion of the storage facility permit application. In addition, periodic memoranda on changes in environmental regulations are issued by the regional/corporate offices and must be read and discussed by branch personnel.

D.4 TRAINING RECORDS

Employees may complete a written examination at the conclusion of a training program. The employee training is documented and the records are maintained onsite. Employees may not work in unsupervised positions until the contingency plan has been reviewed and they understand emergency response procedures.

ATTACHMENT D-1

EXAMPLE TRAINING PLAN OUTLINE

EXAMPLE TRAINING PLAN OUTLINE

ANNUAL ENVIRONMENTAL COMPLIANCE COURSE FOR REGIONAL MANAGERS, RESOURCE RECOVERY BRANCH MANAGERS AND SECRETARIES

I. Opening Remarks

II. Environmental Laws - National

A. Introduction

B. The National Environmental Policy Act (NEPA)

1. Purpose

2. Procedure: The Environmental Impact Statement

C. The Clean Air Act (CAA)

1. Purpose

2. How the Act Works

D. The Clean Water Act (CWA)

1. Purpose

2. Effluent Limitations for Direct Discharges

3. Pretreatment Standards for Indirect Discharges to Publicly Owned Treatment Works (POTW)

4. Permit Program

E. The Resource, Conservation and Recovery Act (RCRA)

1. Purpose

F. The Toxic Substances Control Act (TSCA)

1. Purpose

2. How TSCA Works

G. The Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA" or "Superfund")

1. Purpose

2. Superfund clean-up

III. Resource, Conservation and Recovery Act (RCRA)

A. Overview and Scope

B. Hazardous Waste Management

1. Implementation

2. Identification and Listing of Hazardous Waste

a. Listed Wastes

b. Characteristic Wastes

c. Waste Mixtures

3. Generator Regulation

a. General requirements

b. Generator categories: 100-1000 kg./mo. generators

4. Transporter Regulation

a. General requirements

b. Discharges of hazardous waste during transportation

5. Treatment, Storage or Disposal Facility Regulation

a. General requirements

b. Interim status facilities

c. Permitted facilities

6. Enforcement

a. Inspections

b. Compliance Orders

c. Criminal Violations

d. Knowing Endangerment

e. Enforcement activity

C. New RCRA Programs

1. Leaking Underground Storage Tanks

a. The requirements

b. New Tank Ban

c. Notifications

IV. Facility Operation: Interim Status

A. Part A Application

B. Waste Analysis Plan

C. Preparedness and Prevention Plan

D. Contingency Plan and Emergency Procedure

E. Training

F. Closure

G. Inspections

H. Transportation Licensing

V. Manifesting

A. Overview

B. Manifesting: Branch-Specific Instruction

VI. Certification Examination

VII. Sales Application of Environmental Compliance

VIII. Adjourn

EXAMPLE TRAINING PLAN OUTLINE

FOR

BRANCH EMPLOYEES

I. Purpose of Training and a Review of the Training Plan Outline

II. Environmental Regulations and Customer Responsibilities

- A. Small Quantity Generator vs. Generator
- B. Manifesting - How to Complete and Distribute a Manifest
- C. EPA Identification Numbers

III. Transportation Regulations

- A. Permits
- B. Vehicle Inspections and Records

IV. Waste Analysis Plan - Analyzing Incoming Shipments

V. Preparedness and Prevention Plan

- A. Performing and Recording a Facility Inspection
- B. Proper Maintenance of Storage Facilities and Associated Equipment
- C. Emergency Equipment - Availability and Use

VI. Contingency Plan

- A. Implementation of the Contingency Plan - Personnel and Emergency Functions
  - 1. Spills and Fires and Proper Response Actions
    - a. On Site Accidents
    - b. Transportation Accidents
  - 2. Reporting Requirements
    - a. Safety-Kleen Corp.
    - b. State Emergency Response System
    - c. National Response Center
- B. Emergency Information

C. Corporate Policies 600-608, 609 and 610

1. Review of Material Safety Data Sheets

D. Recordkeeping - Spill Report Telephone Log

ATTACHMENT D-2

EXAMPLE EMPLOYEE JOB DESCRIPTIONS

EXAMPLE

REGIONAL MANAGER

JOB DESCRIPTION

The Regional Manager has overall responsibility for the branch operations within a certain geographic area defined by the Corporate Marketing Department. He is responsible for the proper operations and profitability of several (six to eight) service centers in his region.

REPORTS TO:

Divisional Vice President of Sales

QUALIFICATION:

Minimum high school graduate with Safety-Kleen management experience.

PRINCIPAL RESPONSIBILITIES:

1. Plan, direct, and monitor activities of Resource Recovery Branch Managers.
2. Training of Resource Recovery Branch Managers and branch secretaries.
3. Assist Resource Recovery Branch Managers with their administrative and sales activities, when necessary.
4. Monitor sales and inventory figures and report them to the corporate offices.
5. Insure that the facility and equipment are inspected regularly, and necessary repairs or remedial actions are implemented.
6. Represent Safety-Kleen Corp. in local community affairs and public relation activities.
7. Coordinate with corporate Technical Services and Environmental Engineering Departments and implement necessary actions or plans for regulatory compliance.

EXAMPLE

RESOURCE RECOVERY BRANCH MANAGER

JOB DESCRIPTION

The Resource Recovery Branch Manager has overall responsibility for the facility operations and maintenance, and directs sales activities within a certain geographic area defined by the Corporate Marketing Department. He is responsible for the proper operations and profitability of the service center.

REPORTS TO:

Regional Manager of Sales

QUALIFICATION:

Minimum high school graduate with Safety-Kleen sales experience.

PRINCIPAL RESPONSIBILITIES:

1. Plan, direct, and monitor activities of Sales Representatives.
2. Training of sales representatives and other branch personnel.
3. Assist or accompany sales representatives during their sales activities, when necessary.
4. Tabulate daily sales and inventory figures and report them to the corporate offices.
5. Maintain adequate inventory of solvents, allied products, and equipment.
6. Carry out corporate policies and standards regarding facilities, equipment operation and maintenance.
7. Inspect facility and equipment regularly, and implement necessary repairs or initiate remedial actions.
8. Represent Safety-Kleen Corp. in local community affairs and public relation activities.
9. Coordinate with corporate Technical Services and Environmental Engineering Departments and implement necessary actions or plans for regulatory compliance.

Policy Date Draft
Prepared by J. Pelletier
Approved by

Safety-Kleen Corp.® EXAMPLE

Field Sales and Service Position Description

Position Title:

PAINT REFINISHING SALES AND SERVICE REPRESENTATIVE

Division:

PAINT REFINISHING SERVICES

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager or other management levels as indicated by attached Corporate organizational chart.

Qualifications:

High school graduate (minimum)

Able to pass D.O.T Certification and meet other hiring requirements.

Possess, or be able to possess, a valid commercial driver's license.

Position Overview:

The Safety-Kleen Sales and Service Representative is responsible for all sales and service activities within an assigned geographic area. This includes servicing established accounts and generating new accounts. Duties include travel by truck to customer locations, demonstrating and servicing spray cleaning and spot blasting equipment or engaging in drum removal services, and selling by demonstration a complete line of automotive refinishing supplies. Servicing equipment includes transfering barrels weighing 75 to 96 pounds from the truck to the customer's location, cleaning and checking to assure proper working order of the equipment (replacing parts if necessary). The drum of used solvent is then returned to the truck and branch accompanied by the properly completed paperwork. Both the above machine service and drum removal service include assuring only approved waste is removed and that all applicable labels and documentation are accurate.

EXAMPLE

Typical Daily Duties:

1. Perform safety check each day on assigned route truck and replenish products on the truck before beginning daily activity.

2. Contact potential customers for the purpose of selling Safety-Kleen services and allied products.

3. Exchange used solvents with fresh solvent and replenish the inventory of Safety-Kleen's products for existing customers.

4. Make minor repairs of Safety-Kleen's spray cleaners and spot blasters or lease new equipment to the customer.

5. Accurately prepare the necessary paper-work for each service (including all government related documents, labels, or vehicle placards), and bill or credit the customer, as necessary.

6. At the end of each day, return the truck to the branch for cleaning and maintenance, and summarize the day's activities so the supervisor or clerical staff can tabulate the daily figures and forward them to the Corporate office. The offloading of solvents, machines, wastes, and pads, although in some cases this is performed by a warehouseman, is the responsibility of the sales rep. This offloading includes the proper placement in specified areas of the warehouse or flammable drum storage areas.

Policy Date ~~Draft~~
Prepared by ~~J. Pelletier~~

Safety-Kleen Corp.® EXAMPLE

Field Sales and Service Position Description

Position Title:

DRY CLEANING SALES AND SERVICE REPRESENTATIVE

Division:

DRY CLEANER SERVICES

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager or other management levels as indicated by attached Corporate organizational chart.

Qualifications:

High school graduate (minimum).

Able to pass D.O.T Certification and meet other hiring requirements.

Possess or be able to possess a valid commercial drivers license.

Position Overview:

The Safety-Kleen Sales and Service Representative is responsible for all sales and service activities within an assigned geographic area. This includes servicing established accounts and generating new accounts. Duties include travel by truck to customer locations, selling a line of allied products, and engaging in a drum removal service. Drum removal service includes transfering barrels of new product weighing 75 to 250 pounds from the truck to the customer's location, and transfering hazardous waste drums weighing 75 to 250 pounds to the truck and eventually back to the branch accompanied by the properly completed paperwork. Drum removal service includes assuring only approved waste is removed, and that all applicable labels and documentation are accurate.

A line of cleaning products is also available and should be demonstrated and sold at each customer location. The Sales Rep is expected to be knowledgeable and in

EXAMPLE

Typical Daily Duties:

1. Perform safety check each day on assigned route truck and replenish products on the truck before beginning daily activity.

2. Contact potential customers for the purpose of selling Safety-Kleen services and allied products.

3. Remove used solvents and filters and replenish the inventory of Safety-Kleen's products for existing customers.

4. Accurately prepare the necessary paper-work for each service (including all government related documents, labels, or vehicle placards), and bill or credit the customer, as necessary.

5. At the end of each day, return the truck to the branch for cleaning and maintenance, and summarize the day's activities so the supervisor or clerical staff can tabulate the daily figures and forward them to the Corporate office. Offloading of drums and filters, although in some cases this is performed by a warehouseman, is the responsibility of the sales rep. This offloading includes the proper placement in specified areas of the warehouse or drum storage areas.

Safety-Kleen Corp.®

EXAMPLE

Policy Date Draft
Prepared by J. Pelletier
Approved by

Field Sales and Service Position Description

Position Title:

INDUSTRIAL SALES AND SERVICE REPRESENTATIVE

Division:

INDUSTRIAL SERVICES

Organizational Relationship:

Reports directly to the Branch Industrial Manager and indirectly to the Resource Recovery Branch Manager or other management levels as indicated by attached Corporate organizational chart.

Qualifications:

High school graduate (minimum).

Able to pass D.O.T. Certification and meet other hiring requirements.

Possess, or be able to posses, a valid commercial driver's license.

Position Overview:

The Safety-Kleen Sales and Service Representative is responsible for specific sales and service activities within an assigned geographic area. This includes servicing established accounts and generating new accounts or leads for the BIM. Duties include travel by truck to customer locations, demonstrating and servicing parts cleaning equipment or engaging in drum removal services which may involve drums weighing up to 800 lbs. Servicing equipment includes transfering barrels weighing 75 to 140 pounds to and from the truck to the customer's location, cleaning and lifting a 50-72 pound sink from the drum at this location and placing it on the clean barrel, and checking to ensure proper working order of the sink (replacing parts if necessary). Some equipment requires slightly different cleaning procedures. The drum of used solvent is then returned to the truck and branch accompanied by the properly completed paperwork. Both the above machine service and drum removal

APR 22 '94 7:05 FROM SAFETY KLEEN #605601 PAGE.005

EXAMPLE

- Helping maintain service center cleanliness and operating efficiency when called upon to do so.
- Preventing unnecessary damage or waste of supplies or equipment.
- Performing special duties as assigned by supervisors within the limits of corporate policy.

Typical Daily Duties:

1. Perform safety check each day on assigned route truck and replenish products on the truck before beginning daily activity.

2. Contact potential customers for the purpose of selling Safety-Kleen services and allied products.

3. Exchange used solvents with fresh solvent and replenish the inventory of Safety-Kleen's products for existing customers.

4. Make minor repairs on Safety-Kleen's parts washer equipment at customer locations (fusible link, light assy, lid, pump, etc.) or replace with new equipment.

5. Accurately prepare the necessary paper work for each service (including all government related documents, labels, or vehicle placards), and bill or credit the customer, as necessary.

6. At the end of each day, return the truck to the branch for cleaning and maintenance, and summarize the day's activities so the supervisor or clerical staff can tabulate the daily figures and forward them to the Corporate office. Offloading of solvents and machines, although in some cases this is performed by a warehouseman, is the responsibility of the sales rep. This offloading includes the proper placement in specified areas of the warehouse or drum storage areas.

APR 22 '94 7:05 FROM SAFETY KLEEN #605601 PAGE.006

Safety-Kleen Corp.®

EXAMPLE

Policy Date Draft
Prepared by J. Pelletier
Approved by

Field Sales and Service Position Description

Position Title:

AUTOMOTIVE SALES AND SERVICE REPRESENTATIVE

Division:

AUTOMOTIVE / RETAIL SERVICES

Organizational Relationship:

Reports directly to the Branch Automotive Managerand indirectly to the Resource Recovery Branch Manager or other management levels as indicated by attached Corporate organizational chart.

Qualifications:

High school graduate (minimum)

Able to pass D.O.T. Certification and meet other hiring requirements.

Position Overview:

The Safety-Kleen Sales and Service Representative is responsible for all sales and service activities within an assigned geographic area. This includes servicing established accounts and generating new accounts. Duties include travel by truck to customer locations, demonstrating and servicing parts cleaning equipment and engaging in drum removal services. Servicing equipment includes transfering barrels weighing 75 to 140 pounds from the truck to the customer's location, cleaning and lifting a 50-72 pound sink from the drum at this location and placing it on the clean barrel, and checking to assure proper working order of the sink (replacing parts if necessary). The drum of used solvent is then returned to the truck and branch accompanied by the properly completed paperwork. Both the above machine service and drum removal service includes assuring only approved waste is removed and that all applicable labels and documentation are accurate.

- Performing special duties as assigned by supervisors within the limits of Corporate policy.

EXAMPLE

Typical Daily Duties:

1. Maintain assigned route truck and replenish products on the truck before beginning daily activity.

2. Contact potential customers for the purpose of selling Safety-Kleen services and allied products.

3. Exchange used solvents with fresh solvent and replenish the inventory of Safety-Kleen's products for existing customers.

4. Make minor repairs to Safety-Kleen's parts washer equipment, or lease new equipment to the customer.

5. Accurately prepare the necessary paper work for each service (including all government related documents), and bill or credit the customer, as necessary.

6. At the end of each day, return the truck to the branch for cleaning and maintenance, and summarize the day's activities so the supervisor or clerical staff can tabulate the daily figures and forward them to the Corporate office. Offloading of solvents and machines, although in some cases this is performed by a warehouseman, is the responsibility of the sales rep. This offloading includes the proper placement in specified areas of the warehouse or drum storage areas.

APR 22 '94 7:06 FROM SAFETY KLEEN #605601 PAGE.008

EXAMPLE

BRANCH MIDDLE MANAGEMENT POSITION DESCRIPTION

Position Title:

BRANCH INDUSTRIAL MANAGER

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager. All Industrial Sales Representatives within assigned territories report directly to the BIM.

Qualifications:

High School graduate (minimum) who has demonstrated above average Safety-Kleen sales ability and performance. Applicant should exhibit leadership abilities and be self-motivated, and pass Company testing. Excellent communication and presentation skills are mandatory.

Primary Focus:

- Assures customer satisfaction and achieves assigned sales goals as related to industrial services in assigned territory. This task is primarily accomplished through personal direct sales effort.

Secondary Focus:

- Trains, motivates and manages the industrial sales staff within the assigned territory.

EXAMPLE

Essential Job Functions and Responsibilities

- Achieves sales objectives as assigned.
- Understands and adheres to all environmental laws and regulations, the Corporate Ethics Policy, and all other Corporate policies and procedures.
- Manage all personnel within the assigned territories by daily/weekly communication in regards to branch standards, goals and objectives.
- Reviews weekly and period sales production summaries.
- Ensures that customers have the right kind of equipment which is properly labeled, on the appropriate service interval and priced properly. Ensures the retention and satisfaction of existing customers.
- Conducts performance reviews with assigned personnel.

Effective 2/1/93

Policy Date Draft
Prepared by J. Pelletier
C. Sprague
Approved by

Safety-Kleen Corp.® EXAMPLE

Branch Secretary Position Description

Position Title:

BRANCH SECRETARY, LEVEL 1

Division:

FACILITY MANAGEMENT

Organizational Relationship:

Branches With BFMs: Reports directly to the BFM.

Branches Without BFMs: Reports directly to the RRBM.

Qualifications:

Minimum of a High School diploma or equivalent.

Some Computer Training preferred

Position Overview:

This position involves limited independent judgement. May be a part time or temporary position. This position is entry level. This position follows the guidance of a Junior or Senior Branch Secretary and follows a procedural manual developed by the Junior or Senior Branch Secretary.

This position requires good matching ability, good typing, and filing skills. Possible data entry or computer skills are necessary in some branches. This position entails document editing and correcting sales and hazardous waste documents according to set standards.

EXAMPLE

Primary

- Files Preprints, Manifests and other sales or hazardous waste documents.
- Accurately transfers waste information form documents to Facility Operations Log.
- Sorts mail.
- Maintains customer files.
- Prepares correspondences with customer and corporate office.
- Processes previous day's work for automotive line of business.
- Makes 20 week entries from sales documents.

Secondary

- Selects supplies to be purchased and submits for approval (if designated).
- Keeps assigned work area neat and tidy.
- Tabulates and delivers bank deposit.
- Completes special projects for BFM and/or RRBM.
- Answers phone.
- Makes collection calls according to procedures or requests.
- Runs bank and post office errands.
- Assists other secretaries.

Description of Duties

EXAMPLE

Primary

- Prepares hazardous materials for shipment to customer locations.
- Loads trucks with inventory according to a standard truck inventory.
- Prepares hazardous wastes for shipment off-site to another Safety-Kleen location.
- Empties hazardous waste into holding vessel.
- Washes "RCRA empty" drums in drum washer.
- Fills clean drums with solvent to be shipped to customer locations.
- Receives, checks in and stocks inventory.
- Shrink wraps palletized waste, arranging the palletized waste so that all labels are visible.
- Dissembles returned machines and prepare machines to be returned to the Distribution Center.

Secondary

- Cleans out dumpsters and drum washers.
- Continuously monitors facility to make sure that all waste is containerized and labeled.
- Checks all trucks for proper strapping and roll door is closed.
- Performs housekeeping schedule as outlined by RRBM or BFM.
- Parks or moves trucks as necessary.

ATTACHMENT E

FACILITY DESIGN, WASTE HANDLING, PREPAREDNESS AND PREVENTION PROCEDURES

PREPAREDNESS AND PREVENTION PLAN

ABSTRACT

SECURITY MEASURES--The site is secured as follows:

a. There is a chain link fence with three strands of barbed wire inside a coil of barbed wire around the facility.

b. Warning signs are posted at all entrances.

c. Locks are on all entrances to the warehouses and the Flammable Storage Building.

d. Remote controls for all tank operations are inside the warehouse.

e. There is outdoor lighting on all sensoring devices and automatically comes on at low light hours of the day.

INSPECTION PROCEDURES: See Attachment C for sample copy of the Facility Inspection Record and Procedure.

REQUIRED EQUIPMENT--The emergency equipment requirement is met with the following:

a. Internal communications will be by voice.

b. Telephones are available in the warehouse.

c. Fire extinguishers are available next to exits in the warehouse and the Flammable Storage Building.

d. Water is supplied by the City of Albuquerque.

E.1 FACILITY DESIGN

The Albuquerque service center was designed to minimize the possibility of spills or fires and to minimize the effects of any accidents which may occur. Specifications for the storage facilities, secondary containment and other equipment are at the end of Attachment E and descriptions follow.

E.1.1 Tank Storage

The 12,000 gallon underground storage tank is 8' in diameter and 32.5' long. It is constructed of ¼" thick carbon steel and is double-walled with a leak detection system installed in the interstitial space. The exterior of the outside tank is coated with a plastic-fiberglass mixture so that no metal is exposed and the tank is isolated from electrical currents. The tank is constructed in accordance with Underwriter's Laboratories Standard 58 and is located more than 5' from the building foundation, in accordance with NFPA requirements. A liquid sensing leak detector is between the two walls, and must be checked each operating day.

A manually controlled waste-feed cut-off valve located adjacent to the wet dumpsters at the return and fill station can prevent the tank from being overfilled. The tank is equipped with an aural (siren) and visual (strobe light) high-level alarm system which will alert employees when the tank is approximately 600 gallons from being full and the pump automatically shuts off. The pump on the tanker truck can be turned off immediately if the alarm sounds when filling the product solvent tank. A manual button can be used to test the alarm to insure the system is operable. The fill pipes are secondarily contained to prevent spills during loading and unloading operations.

Cathodic protection has been installed for the carbon steel/FRP-coated composite tank. A copy of the report by the independent corrosion expert who designed the cathodic protection system for the tank and supervised its installation is included in Attachment E-2. A description of the high level alarm system, leak detection system, and installation documentation is provided in the report.

The return and fill station is a concrete block structure with a metal roof and the secondary containment is monolithically poured concrete. Elevated grating is situated above the containment area, which allows workers to easily remove or return containers to the route trucks, and transfer used solvents to the waste storage tank via the drum washer units. The two dumpster/drum washers are tight-piped to the tank, piping is below ground and the joints are welded to minimize the potential for leaks.

E.1.2 Drum Storage

The slab, curbing and collection trenches for the drum storage areas in the warehouses and flammable storage building are made of steel-reinforced concrete and the concrete has been poured so that no cracks or gaps exist between them. A concrete curb, approximately

four inches high and six inches wide, encompasses the storage area except where there is a trench. Steel grates cover the trench to facilitate the movement of drums across it. The concrete floor and curbing is coated with a material so as to be impermeable to contain leaks and spills. The materials placed in the drum storage areas are compatible with the containers in which they are stored.

The immersion cleaner, dry cleaning wastes, aqueous solvent, and paint wastes are stored in containers meeting DOT specifications. Immersion cleaner and dry cleaner waste are never opened at the branch facility except for annual re-characterization sampling. The drums are placed on pallets to facilitate shipping and storage.

Ignitable wastes in containers are stored at least fifty (50) feet from the property line in the masonry flammable building. The H-3 Flammable Storage Building wall construction is of concrete masonry. Secondary containment is provided by a coated, reinforced concrete floor that slopes toward a blind sump and collection trenches. It is painted with light colors (white and beige) to reflect sunlight and provided with an exhaust fan to prevent extremely high temperatures and an accumulation of fumes. An overhead door secures the building during non-operating hours.

E.2 WASTE MANAGEMENT PRACTICES

The Albuquerque service center was designed to facilitate the handling and storage of the wastes resulting from the services offered by Safety-Kleen. The underground storage tanks, drum storage areas and return and fill station all have secondary containment and the service center has the equipment necessary for employees to safely manage wastes onsite.

Used solvent from parts washers is accumulated in a 12,000 gallon underground double-walled storage tank via the return and fill station. Used material in containers meeting DOT specifications is poured into the dumpsters in the return and fill station and the material in the dumpster is pumped into the used solvent storage tank. The return and fill station has secondary containment in the form of a 20.0' x 14.8' (1,548 gallons) concrete slab with curbing and a sump. The total volume of waste and product will not exceed 10 times the secondary containment volume.

The sediment which accumulates in the bottom of the dumpster/drum washer is removed manually (as necessary), drummed and temporarily stored in the return and fill station according to the satellite accumulation requirements of 40 CFR 262.34(b). Sediment is placed in the drum to no more than 2 inches from the top of the drum.

The underground tanks have been designed in accordance with UL Standard 58 and are constructed of carbon steel and are installed in accordance with NFPA standards. Double walls equipped with a leak detection alarm provide secondary containment. Two tanks with capacities of 12,000 gallons each are present; one is for clean and one is for used solvent. Each tank is equipped with an audible and visual high level alarm.

The drum storage areas in the warehouse are used to store containers of waste, which may include (1) used immersion cleaner, (2) dry cleaning wastes, and (3) used aqueous solvent and (4) used photochemical wastes. Additional materials, such as non-hazardous wastes,

transfer wastes, or product may be stored as needed. The wastes are not mixed while on site and different wastes are segregated according to their contents. While the wastes are not incompatible with one another, it is necessary to segregate them for inventory and quality control purposes. All containers are stored on pallets.

The drum storage areas have secondary containment in the form of a six inch wide by four inch high steel reinforced concrete curbs with an approximately 1.75' x 3' x 11' x 7.5' (431 gallons) in the West warehouse and two collection trenches with approximately 2' x 3' x 3' x 7.5' (132 gallons) and 2' x1.5' x 6' x 7.5' (136 gallons) for a combined collection trench capacity of 268 gallons in the East warehouse. No more than 4,310 gallons of waste will be stored in the West warehouse and no more than 2,680 gallons of waste will be stored in the East warehouse at any time.

Secondary containment in the Flammable Storage Building is provided by coated floors that slope to three collection trenches. The three collection trenches have dimensions of approximately 1.8' x 8.9' x 2.3' (276 gallons), 1.9' x 9.8' x 2.1' (295 gallons) and 1.9' x 11.9' x 2.3' (390 gallons) for a combined collection capacity of 965 gallons. The Flammable Storage Building is used for the storage of: 1) dumpster sediment; 2) paint waste, 3) used solvent; and (4) other flammable wastes or products, as necessary.

All containers used for storage of hazardous waste will meet DOT specifications. Example specifications for containers is included in Attachment E-3.

Adequate aisle spacing will be maintained in the warehouse container storage areas and Flammable Storage Building. Drums in the storage areas will be placed on pallets and moved with a forklift or pallet jack. Drums will be stored no more than two high on a pallet and no more than two pallets high.

E.3 RECORDKEEPING REQUIREMENTS

In accordance with 40 CFR 264.73, Safety-Kleen maintains a manifest system, an operating record, biennial reports and all other records required under these sections.

E.3.1 Manifest System

Safety-Kleen must implement the manifesting system required under 40 CFR 264.71. If the facility receives hazardous waste accompanied by a manifest, the Branch Manager or designate shall do all of the following:

a. Sign and date each copy of the manifest to certify that the hazardous waste covered by the manifest was received.

b. Note any significant discrepancies in the manifest on each copy of the manifest.

c. Within 30 days after the delivery, send a copy of the manifest to the generator.

d. Retain, at the facility, a copy of each manifest for not less than 3 years from the date of delivery. (Safety-Kleen is generally the TSDF as well as the transporter, so only one copy is kept on file).

The requirements described above do not apply to hazardous waste produced by generators of more than100 kilograms but less than 1,000 kilograms in a calendar month if both of the following requirements are met:

a. The waste is reclaimed under a contractual agreement pursuant to which the type and frequency of shipments are specified in the agreement and the vehicle used to transport the waste to the recycling facility and to deliver the regenerated material back to the generator is owned and operated by the reclaimer of the waste.

b. The generator maintains a copy of the reclamation agreement in his or her files for a period of not less than 3 years after termination or expiration of the agreement.

The facility will not receive bulk shipments of hazardous waste from a rail or water transporter.

When a shipment of hazardous waste is initiated form this facility, the Branch Manager or his designate must:

a. Prepare a manifest before transporting the waste offsite.

b. Designate on the manifest one facility which is licensed to handle the waste described on the manifest. The Branch Manager may also designate on the manifest one alternate facility which is licensed to handle the waste if an emergency prevents delivery of the waste to the primary designated facility.

c. Use a transporter who is properly licensed under the act or a generator-owned vehicle licensed under the act to transport the waste.

d. If the transporter is unable to deliver the hazardous waste to the designated facility or the alternate facility, the generator shall either designate another facility or instruct the transporter to return the waste.

Except as described in the next paragraph, the Branch Manager shall use a manifest form approved by the director which contains all of the following information.

a. A manifest document number.

b. The generator's name, mailing address, telephone number, and EPA identification number.

c. The name and EPA identification number of each transporter.

d. The name, address, and EPA identification number of the designated facility and an alternate facility, if any.

e. The description of the waste required by DOT regulations in 49 CFR 172.101, 172.202, and 172.203.

f. The total quantity of each hazardous waste by units of weight or volume, and the type and number of containers loaded into or onto the transport vehicle.

g. The hazardous waste number describing the waste.

h. The following certification: "I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations."

i. Other certification statements required by the director based on requirements of the Solid Waste Disposal Act.

If the Branch Manager manifests a shipment of hazardous waste out of state, and if the state to which the shipment is manifested requires the use of another manifest, then the generator shall use that manifest.

The Branch Manager shall do all of the following when initiating a shipment:

a. Sign the manifest certification by hand.

b. Obtain the handwritten signature of the initial transporter and the date of acceptance on the manifest.

c. Retain one copy for his files.

d. Give the remaining copies to the transporter.

When Safety-Kleen receives or ships hazardous waste, the Branch Manager or designate must review the manifest and check the information on the manifest for correctness. It should be noted that the Safety-Kleen computer-prints most of the required information on the majority of its manifests. The employee checking the manifest must review the names, addresses, EPA and New Mexico I.D. and transporter numbers, the manifest document number and the telephone numbers listed. In addition, the hazardous material (HM) box should be checked, the waste description, DOT classification, DOT I.D. number and EPA Waste Code must be verified. The number of drums and pounds, as well as the symbols for these units must be correct. The generator, transporter(s) and TSDF operator must all print and sign their names and enter the date the waste was shipped or received, as appropriate.

Upon discovering a significant manifest discrepancy, the Branch Manager shall attempt to reconcile the discrepancy with the waste generator or transporter through telephone conversations or otherwise. If the discrepancy is not resolved within 15 days after receiving the waste, the Branch Manager shall immediately submit, to the director and regional administrator, a letter describing the discrepancy and attempts to reconcile it and a copy of the manifest or shipping paper at issue. Significant manifest discrepancies are differences between the quantity or type of hazardous wastes designated on the manifest or shipping paper and the quantity or type of hazardous waste a facility actually receives, as follows:

a. For bulk waste, significant discrepancies are variations of more than 10% in weight.

b. For batch waste, a significant discrepancy is any variation in piece count, such as a discrepancy of one drum in a truckload.

c. Significant discrepancies in type are obvious differences which can be discovered by inspection or waste analysis, such as waste solvent substituted for waste acid or toxic constituents not reported on the manifest or shipping paper.

E.3.2 Operating Record

The operating record is maintained at the facility, and includes:

a. a record of hazardous waste shipments rejected by the facility including the following:

   1 the name of the generator and transporter;
   2 the manifest number;
   3 the date the shipment was rejected; and
   4 the reason for rejection.

b. personal training records for all current personnel; and

c. the contents of the waste storage tank, the quantity of each waste received, and the date each period of accumulation begins (i.e., the date each waste solvent pickup occurs) must also be included in the operating record.

E.3.3 Biennial Report

A biennial report must be submitted by March 1 of each even numbered year. The biennial report shall be submitted on form 8700-13B. The report shall cover facility activities during the previous calendar year and shall include all of the following information:

a. The EPA identification number, name, and address of the facility.

b. The calendar year covered by the report.

c. For offsite facilities, the EPA identification number of each hazardous waste generator from which the facility received a hazardous waste during the year, and for imported shipment, the name and address of the foreign generator.

d. A description and the quantity of each hazardous waste the facility received during the year. For offsite facilities, this information shall be listed by EPA identification number of each generator.

e. The method of treatment, storage, or disposal for each hazardous waste.

f. The most recent closure cost estimate under 40 CFR 264.142.

g. The certification signed by the owner or operator of the facility or the owner or operator's authorized representative.

E.4 PLANT OPERATIONS – POTENTIAL SPILL AND FIRE SOURCES AND CONTROL PROCEDURES

Employees must perform their duties in the safest, most efficient manner possible and the service center has been equipped to facilitate these activities. Drums of product or waste will be moved using a handcart. Palletized wastes will be moved using a forklift or pallet jack. Upon arrival at the service center, containers of used solvent must immediately be added to the storage tank or placed in the drum storage areas. Open drums of solvent must not be left unattended. Below are descriptions of situations which can result in accidents and the precautions taken to prevent their occurrences.

E.4.1 Potential Minor Spill Sources

The following is a list of activities that have the potential for a minor (one that can be remediated without assistance from a clean up contractor) pollution incident:

a. Pouring of drummed solvent into the dumpster--Employee training emphasizes the importance of taking care in emptying the drums. However, as the contents of the drums are poured into the dumpster, solvent can splash out. The return and fill station is underlain by concrete containment with a sump. This design will contain this type of spill.

b. Filling of drums with solvent product--A low pressure hose with an automatic shut-off valve, similar to those used at automotive service stations, is used to fill the drums with solvent. Leaking fittings, a damaged hose or carelessness could lead to the discharge of solvent outside of the drum. Manual emergency shut-off valves are on each hose, should the equipment not function properly. In addition, employee training emphasizes the importance of inspection, maintenance and reporting of conditions with pollution incident potential.

c. Moving of containers--When a container is moved, a potential exists for it to tip over. To minimize the potential for spillage of solvent, all containers must be maintained in an upright position and remain tightly covered while in storage or in transit. The drum storage areas are designed so that if the contents of a container are spilled, the spilled material will be contained within the concrete trenches. If material is spilled, other containers are situated on pallets, therefore will not be in contact with the spilled material.

d. Delivery truck transfers--The cargo should be secured in the route vehicle with straps before transport. Individual containers of solvent can tip over or be dropped when being moved on or off a delivery truck so transfers will be made using a handcart and a hoist, if necessary.

If a spill does occur, the amount of solvent in the containers is normally a quantity which can be collected with sorbent clay or pads. Any contaminated soil that results from a spill will be removed manually, drummed, and shipped to a Safety-Kleen recycle center for proper disposal.

E.4.2 Potential Major Spill Source

The following activities have the potential for a major (one for which remedial action will require assistance) pollution incident:

a. Overfilling of storage tanks--Both product and used solvent tanks can be overfilled with a resulting discharge of solvent. A high level alarm and daily checks of tank volumes will prevent this type of incident.

b. Leaking pipelines--The pipelines to the storage tanks present a potential for leaks. Regular inspection of this equipment and the solvent inventory will detect any leaks.

E.4.3 Potential Fire Sources

The following is a list of fire prevention and minimization measures:

a. All wastes and products are kept away from ignitable sources-- Smoking is only permitted in designated areas, which are separate from any waste management areas. The solvent handling areas and the underground storage tanks are separated from the warehouse building area to minimize the potential for a fire to spread or injury to personnel to occur.

b. Ignitable wastes in containers are stored in the Flammable Materials Building, which is constructed with special explosion-proof wiring and is equipped with a fire suppression system.

c. Ignitable wastes are handled so that they do not:

   1. Become subject to extreme heat or pressure, fire or explosion, or a violent reaction--The solvent waste is stored in a tank or in drums, none of which are near sources of extreme heat, fire, potential explosion sources or subject to violent reactions. The tanks are vented and the drums kept at room temperature to minimize the potential for pressure build up.

   2. Produce uncontrolled toxic mists, fumes, dusts, or gases in quantities sufficient to threaten human health--The vapor pressure of solvent is low (2 mm) and it is reactive with strong oxidizers only. Toxic mists, fumes, dusts or gases will not form in quantities sufficient to threaten human health since strong oxidizers are not stored at this facility and the solvent vaporization will be minimal under normal working conditions.

   3. Produce uncontrolled fires or gases in quantities sufficient to pose a risk of fire or explosion--See 'a' above and 'c' below.

4. Damage the structural integrity of the Safety-Kleen facility--The solvents will not cause deterioration of the tank, drums or other structural components of the facility.

d. Adequate aisle space is maintained to allow the unobstructed movement of personnel, fire protection equipment, and decontamination equipment to any area of the facility operation in an emergency.

e. "No Smoking" signs are posted in areas where solvents are handled or stored.

f. Fire extinguishers must be checked once per week and tested by the fire extinguisher company once per year. Fire extinguishers are placed at several locations throughout the facility.

E.5 TANK EVALUATION AND REPAIR PLAN

The product and waste solvent stored in the tanks at this facility are compatible with the carbon steel structure. If, during the inspections, corrosion is noted, or the leak detection system indicates a leak, the tank will be immediately taken out of service and repaired and/or replaced. In the case of a tank which leaks outside of the secondary containment, the facility's contingency plan will be initiated to insure the removal of any contaminated soil. Any extensive repairs to or replacement of the tank system will be assessed and certified by an independent engineer before the system is returned to use.

E.6 EXTERNAL FACTORS

The design of the facility is such that a harmful spill is highly unlikely to occur from most external factors. The storage tanks are accessible only to Safety-Kleen personnel and the main power switches are located inside. Also, the drum storage areas are in buildings which are accessible only to authorized personnel.

a. Vandalism – only extreme vandalism would result in a solvent spill or fire. Responses to spills and fires are described in the contingency plan.

b. Strikes – A strike would not result in a solvent spill or fire.

c. Power Failure – A power failure would not result in a spill or fire. Should a power failure occur, all activities requiring electricity will cease (i.e., pumps will shut off).

d. Flooding – The site elevation is above the projected 100-year flood plain; therefore, a 100-year flood will not affect the facility. A flood plain map is shown in Section 1.0.

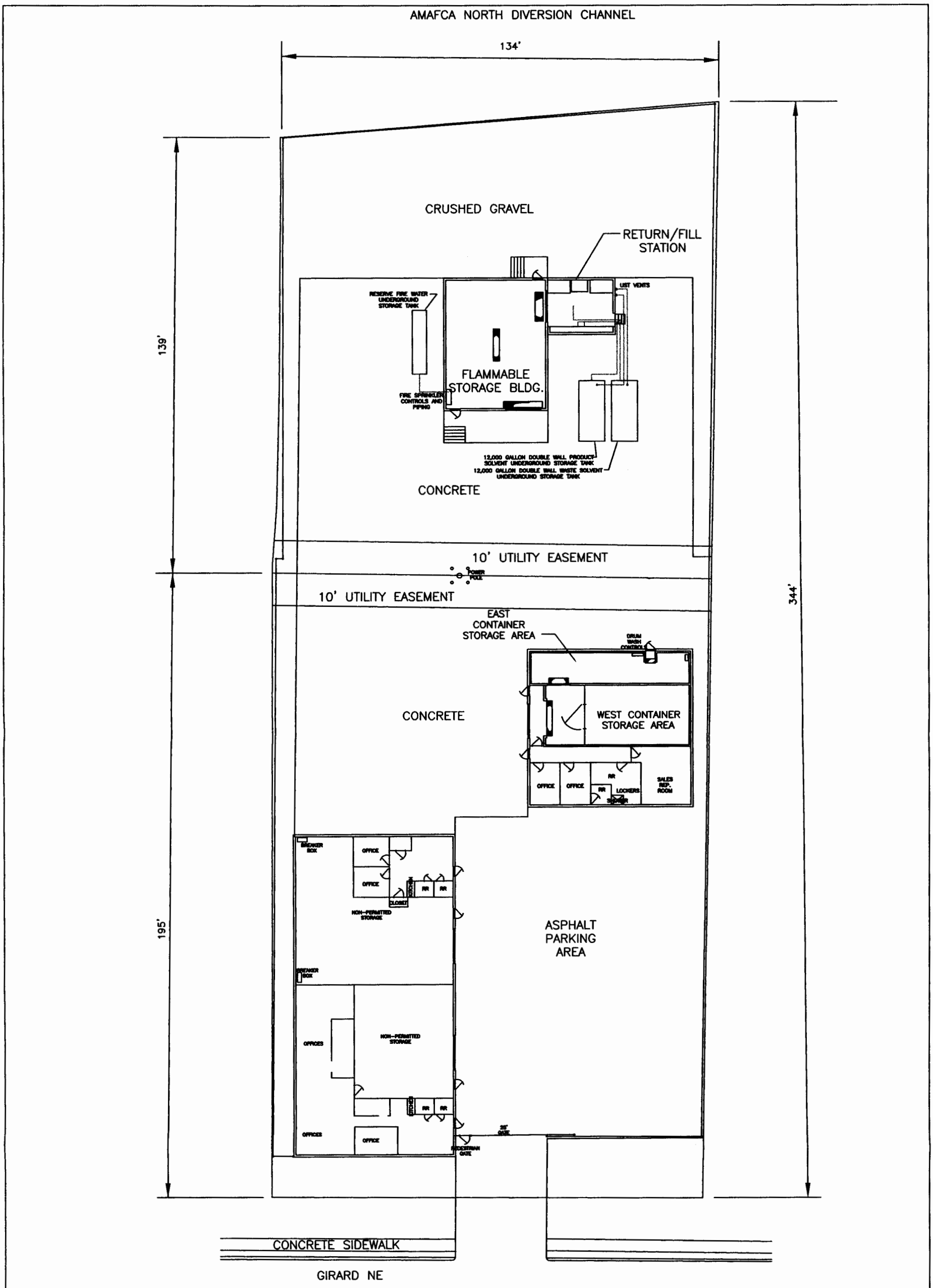
e. Storms or Cold Weather - The solvent return and fill station and drum storage areas are roofed to eliminate the possibility of rain or snow entering the dumpsters. No precipitation event is anticipated that will affect the facility.

E.7 INTERNAL AND EXTERNAL COMMUNICATIONS AND ALARM SYSTEMS

Because the facility is small, internal communication within the building and the solvent return/fill area is accomplished by voice. An alarm is located at the return and fill station which alerts another employee in the warehouse that there may be a problem. Telephones will be used to report a spill or fire and to summon assistance from local and state emergency response agencies (if necessary). Emergency phone numbers of local and state emergency response teams are posted by each phone located in the sales office. Included in these phone numbers is the 24-hour telephone number which can be used to contact Safety-Kleen's environmental response coordinators. Releases to the environment will be reported within 24 hours, as required by permit condition Module I, Section E.13 and permit Attachment F, The Contingency Plan.

ATTACHMENT E-1

FACILITY DRAWINGS



A Trihydro Corporation representative conducted a field inspection to verify construction, equipment, components, dimensions and existing conditions on June 26, 2001. Items inaccessible to visual observation were not field verified during inspection. Notes have been added to document results and/or observed modifications (as appropriate) during the June 26, 2001 inspection.

N

0 30 ft.

SCALE

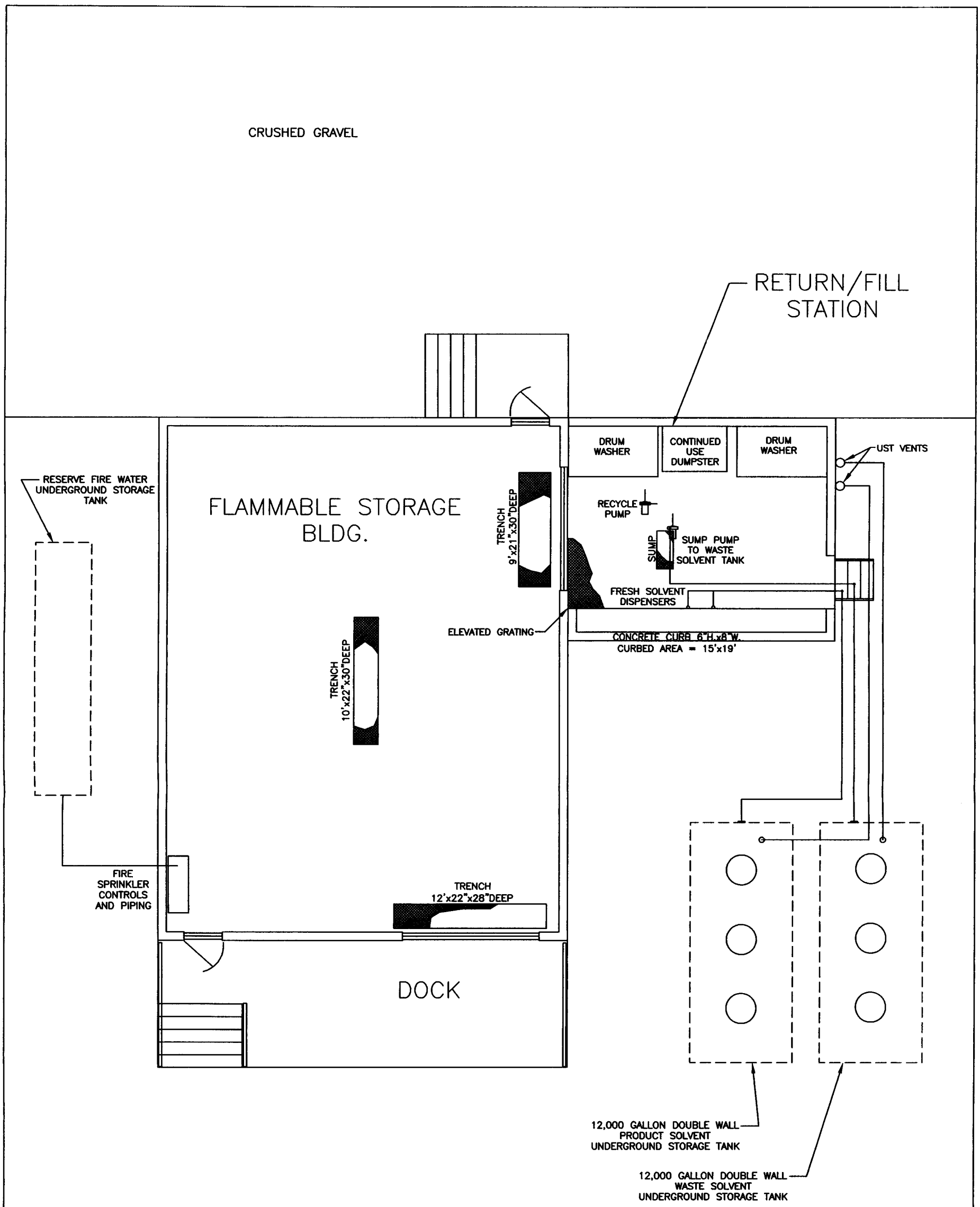
REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE E-1
SITE PLAN
2720 GIRARD NE
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4800

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/02/01	Reference: 023SITE



A Trihydro Corporation representative conducted a field inspection to verify construction, equipment, components, dimensions and existing conditions on June 26, 2001. Items inaccessible to visual observation were not field verified during inspection. Notes have been added to document results and/or observed modifications (as appropriate) during the June 26, 2001 inspection.

N

0 8 ft.

SCALE

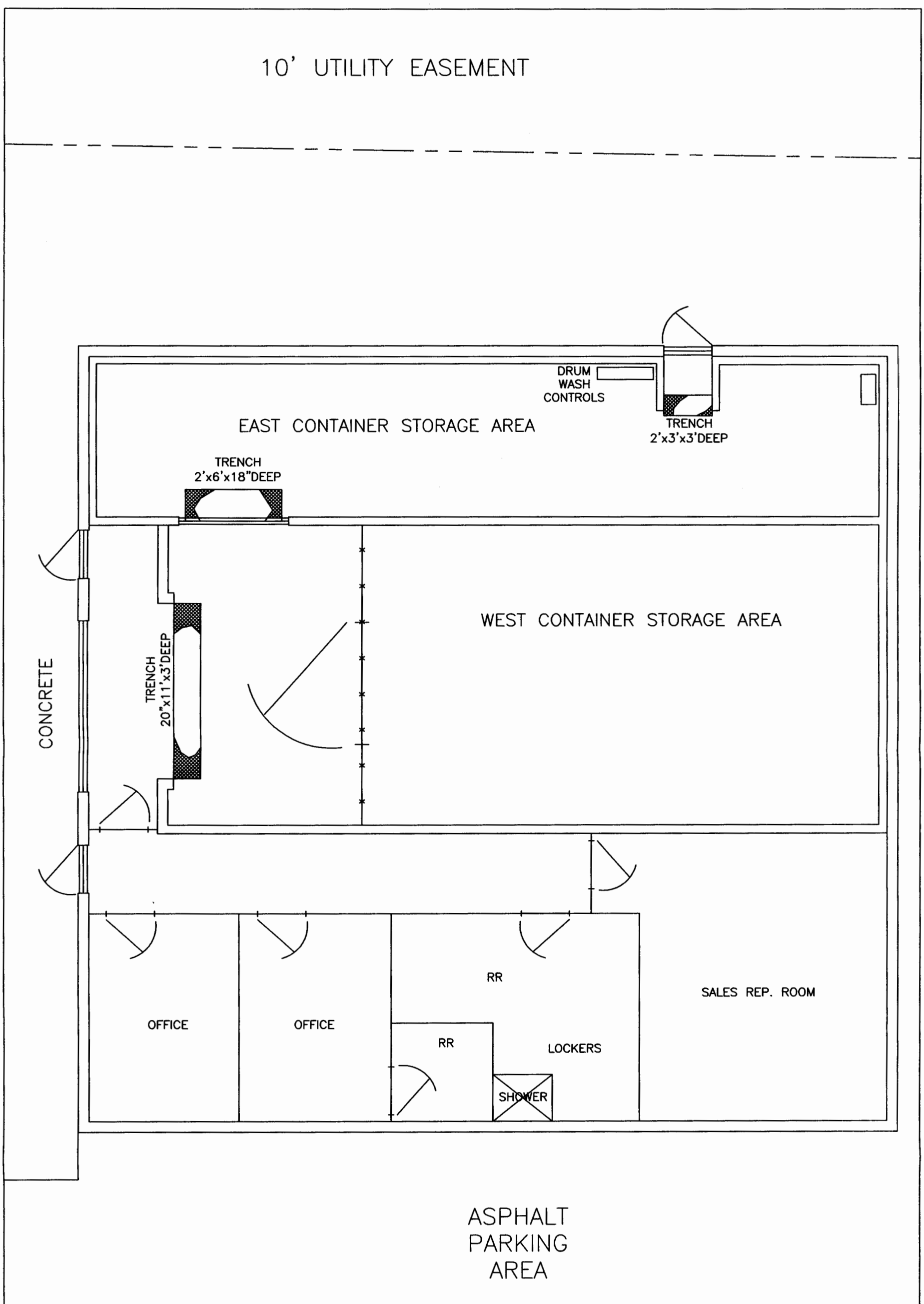
REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE E-2
FLAMMABLE STORAGE BUILDING, RETURN/FILL STATION, STORAGE TANK AND PIPING CONFIGURATION,
2720 GIRARD NE
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4200

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/17/01	Reference: 023BLDG



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N

0 8 ft.

SCALE

REVISIONS	
Date	By

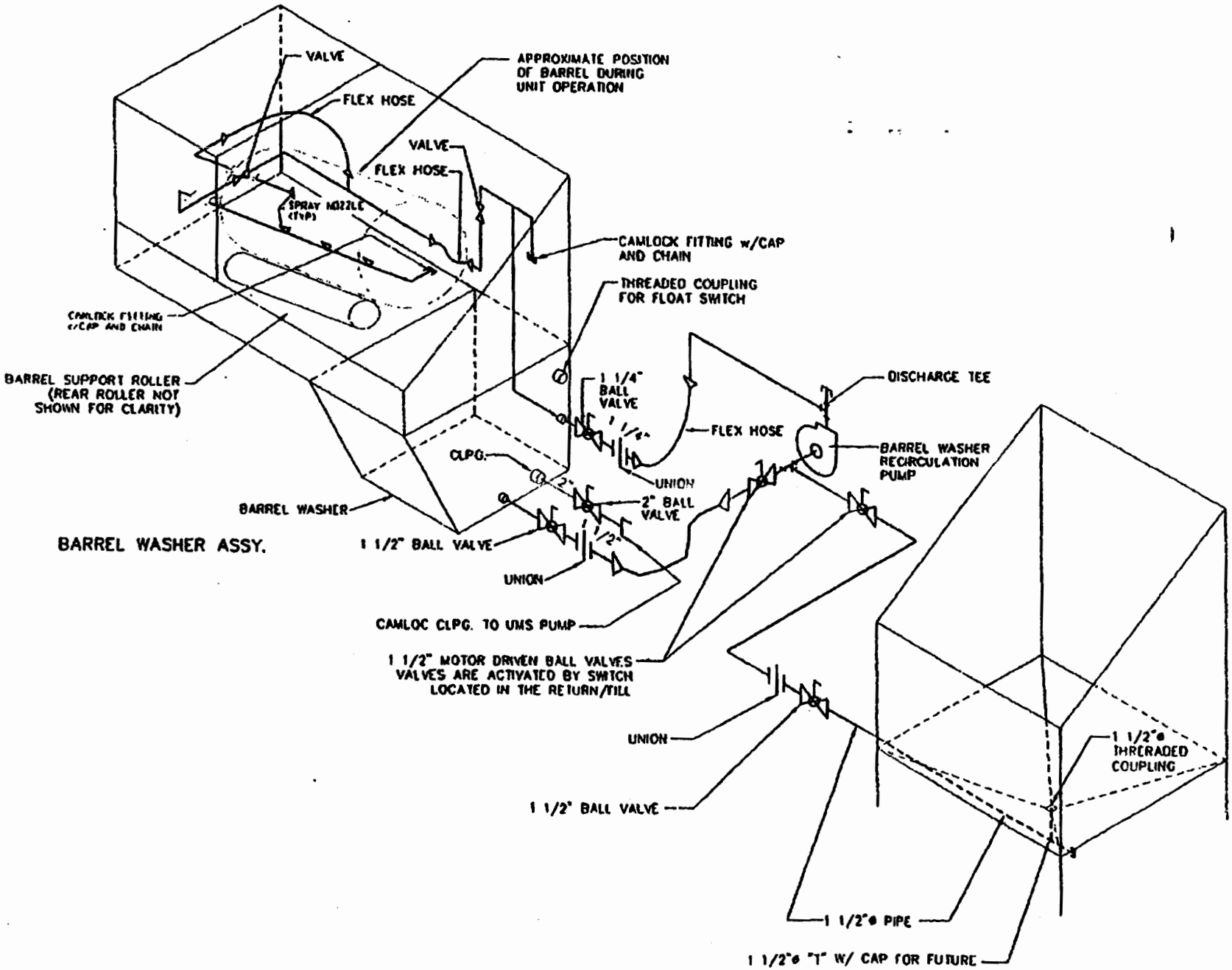
TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE E-3
WAREHOUSE AND CONTAINER STORAGE AREA FLOOR PLAN
2720 GIRARD NE
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4800

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/9/01	Reference: 0238LDG

BARREL WASHER/ REUSE SOLVE SUPPLY TANK PIPING ISOMETRIC



ATTACHMENT E-2

UNDERGROUND TANK INSTALLATION ASSESSMENT REPORT

TERA Report No. 92-403-19

INSTALLATION ASSESSMENT
UNDERGROUND USED SOLVENT STORAGE TANK SYSTEM
ALBUQUERQUE, NEW MEXICO

For

SAFETY-KLEEN CORP.
Elgin, Illinois

TERA, inc.

TERA, Inc.

6440 Hillcroft, Suite 200
P.O. Box 740038, Houston, Texas 77274, Tel. 713/772-0876, Fax: 713/981-7713

92-403-19

TANK SYSTEM CERTIFICATION

I have supervised the installation assessment dated March 5, 1992, of the underground used solvent storage tank system at the Safety-Kleen Corporation facility in Albuquerque, New Mexico. The EPA ID Number for this facility is: NMD 000804294.

With regard to this duty, I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all related attachments and that, based on my observations and my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

John W. Cox

Registered Professional Engineer

New Mexico No. 10317

TERA, Inc.

P. O. Box 740038

Houston, Texas 77274

Signed: _____

Date: _____

JOHN WEST COX
NEW MEXICO
10317
REGISTERED PROFESSIONAL ENGINEER
3/5/92

TERA, inc.

6440 Hillcroft, Suite 200
P.O. Box 740038, Houston, Texas 77274, Tel. 713/772-0876, Fax: 713/981-7713

March 5, 1992
92-403-19

SAFETY-KLEEN CORP.
4596 Penbrook Court
Plano, TX 75024

Attention: Mr. Wayne Olson

Subject: Installation Assessment
Underground Used Solvent Storage Tank System
Albuquerque, New Mexico

Gentlemen:

Submitted here is our installation assessment report for the underground used solvent storage tank system at your Albuquerque facility. The main body of the report summarizes the results of our assessment in a format corresponding to the rules being addressed. Appendices are used for presenting detailed information.

We have enjoyed working with you on this interesting project, and look forward to another opportunity to be of service to Safety-Kleen. Please contact us at 713/772-0876 if you have any questions.

Very truly yours,

TERA, Inc.

CERTIFIED HAZARDOUS MATERIALS MANAGER
JOHN W. COX
2331
CHMM

John W. Cox, Ph.D., P.E., CHMM
Vice President

JOHN WEST COX
NEW MEXICO
10317
REGISTERED PROFESSIONAL ENGINEER

JWC/lm

Attachment: Two (2) Copies

Copies (3) By FEDERAL EXPRESS To: Dr. Herbert Grover
NM Environment Department
Hazardous and Radioactive Materials Division

Copies (1) By Mail To: Mr. Dan Dowling - Safety-Kleen Corp., Elgin, IL
Ms. Jennifer M. Jendras - Safety-Kleen Corp., Elgin, IL
Mr. Bob Wachsmith - Safety-Kleen Corp., Pomona, CA)
Mr. Ralph Ondatje, Branch Manager,
Safety-Kleen Corp. (Albuquerque)
Mr. Mark Coffman - NM UST Bureau

92-403-19

INSTALLATION ASSESSMENT
UNDERGROUND USED SOLVENT STORAGE TANK SYSTEM
ALBUQUERQUE, NEW MEXICO

* * *

For

SAFETY-KLEEN CORP.
Plano, Texas

* * *

By

TERA, Inc.
Houston, Texas

February 1992

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C. Underground Tank and Piping Testing	5
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TANK SYSTEM ASSESSMENT

UNDERGROUND USED SOLVENT STORAGE TANK SYSTEM

This report documents the installation assessment for the used solvent underground storage tank system at the Safety-Kleen Corp. facility in Albuquerque, New Mexico. The EPA ID number for this facility is: NMD 000804294. This assessment was performed and this report was written to address the requirements of 40 CFR 264.192 and 193 and the corresponding requirements of Part V of the New Mexico Hazardous Waste Management Regulations as well as the requirements of the tank system compliance schedule in the permit issued November 29, 1991 by the New Mexico Environment Department.

Consideration has also been given to the provisions of the New Mexico Underground Storage Tank (UST) Regulations. The used solvent tank is a hazardous waste tank and is thus excluded from the requirements of the state UST regulations. However, the used solvent UST and an identical clean solvent UST were installed in the same time frame and in the same manner as required by the those regulations. The two tanks were installed under the supervision of a "certified installer" in conformance to Part XIV of the UST regulations. A copy of this installer's Certificate of Compliance, prepared as required by Part IV of the UST regulations, is included in Appendix B. Both tank installations were witnessed by TERA, as well as by inspectors from state and local regulatory agencies. Installation of corrosion protection for both tanks was designed and witnessed by an independent corrosion expert retained by Safety-Kleen. This report is written to address the installation of the used solvent underground storage tank system.

Except as indicated in this report, the used solvent tank system installed at this site conforms to the system described in the design assessment report issued by TERA on April 25, 1991 as its Report No. 91-141 (Hereinafter referred to as "Report No. 91-141"). Copies of that report have been previously furnished by Safety-Kleen to the New Mexico Environmental Improvement Board.

I. TANK SYSTEM DESIGN CHANGES (40 CFR 264.192(a))

Appendix A documents changes in the installed used solvent tank system from the design described in Report No. 91-141. These changes are:

A. Return and Fill Shelter. This structure houses the two drum washers, which are part of the ancillary equipment for the used solvent tank system. To provide a stronger foundation beneath the shelter's reinforced masonry walls, the installed foundation below those walls is a reinforced concrete spread footing instead of the thickened slab shown in Appendix A-4 of Report No. 91-141.

Free-span structural steel members were installed to support the grated floor in lieu of the lightweight framing system supported on interior posts shown in Appendix A-6 of Report No. 91-141; this change was made to facilitate cleaning and maintenance of the secondary containment area below the grating.

B. Used Solvent Pump. Safety-Kleen has elected to install its standard two-horsepower used solvent pump in the return and fill shelter, instead of transferring the used solvent from the barrel washers to the UST by gravity flow, as shown in Plate 2 of Report No. 91-141.

C. High Level Alarm System. A "Level-Devil" high level alarm system was installed for the used solvent tank instead of the Drexelbrook HLA system shown at Appendix A-7 of Report No. 91-141. This change was made at the request of Safety-Kleen.

D. Leak Detection System. A Veeder-Root leak detection system was installed for the used solvent tank instead of the

I. TANK SYSTEM DESIGN CHANGES (40 CFR 264.192(a)) (Continued)

D. Leak Detection System. (Continued)

MSA Tank Guard leak detection system documented in Appendix A-17 of Report No. 91-141. This change was also made at the request of Safety-Kleen.

The function of the above four components of the used solvent tank system remains the same as is described in the text of Report No. 91-141.

E. Underground Tank Anchorage. Appendices A-1 and B-1 of Report No. 91-141 indicate that concrete deadmen are not necessary to prevent tank float-out due to buoyancy, provided that the depth of cover is at least four feet. However, 12-inch by 24-inch concrete deadmen were installed beside and between the two tanks for their entire length. Each tank was anchored to the deadmen with four rubber-covered fiberglass straps according to the tank manufacturer's recommended details. The depth of cover is over four feet.

F. Tank Cathodic Protection. Though cathodic protection is not currently required for a carbon steel/FRP-coated composite tank under federal or state regulations, Safety-Kleen elected to install such protection for these underground tanks at the recommendation of the on-site inspector for the State of New Mexico. A copy of the report by the independent corrosion expert who designed the cathodic protection systems for the tanks and supervised their installation is included in Appendix B.

II. TANK SYSTEM INSTALLATION ASSESSMENT

A. Installation Inspection (40 CFR 264.192(b))

After installation, the tank system components were inspected for compliance with the design documentation and for evidence of weld breaks, punctures, scrapes of protective coatings, cracks, corrosion, and other structural damage or inadequate construction or installation. Documentation of the inspections performed is included in Appendix B of this report. Photographs depicting the tank system components at various stages of installation are also included in Appendix B.

The installation of the system primary containment components was found to be substantially in accordance with the design documentation, as reflected in Report No. 91-141 and modified by Appendix A of this report. No evidence of significant defects, damage, or of improper construction or installation of the system primary or secondary containment components was found.

B. Underground Tank and Piping Backfill (40 CFR 264.192(c))

1. Excavation. Two identical underground storage tanks (as further described in Report No. 91-141) occupy the same excavation, with the tanks spaced two feet apart. One tank is to store used solvent, the other clean solvent. Underground polyethylene-jacketed steel piping (also further described in Report No. 91-141) connects the tanks to the return and fill shelter.

2. Backfill Material. The tanks and piping were backfilled with a clean, homogeneous, porous sand which bears a classification equivalent to Designation M-145, of the American Association of State Highway and Transportation

II. TANK SYSTEM INSTALLATION ASSESSMENT (Continued)

B. Underground Tank and Piping Backfill (40 CFR 264.192(c)) (Continued)

2. Backfill Material. (Continued)
Officials (AASHTO) Group Classification A-1-b. Thus, the backfill is considered by AASHTO to be a "good to excellent" subgrade material. A copy of the supplier's sieve analysis for the backfill material is included in Appendix A.

3. Backfill Installation. The tank and piping backfill was installed in lifts not exceeding twelve inches in depth. Each lift was compacted with a portable gasoline-powered mechanical compactor to approximately 95 percent density. Care was taken to insure that the backfill material was placed completely around the tank and compacted so that the tank and piping were fully and uniformly supported.

C. Underground Tank and Piping Testing

A series of integrity tests of the underground storage tanks were conducted before the tanks were covered. These tests followed the tank manufacturer's recommendations, the guidelines of the Petroleum Equipment Institute Recommended Practice 100-87 (PEI/RP-87), and the requirements of the New Mexico UST Bureau and the City of Albuquerque.

1. Tightness Testing (40 CFR 264.192 (d))

a. Underground Tanks. Both tanks were tested for tightness prior to being covered. Tightness testing consisted of air testing of the interior of the tank at 4.0 psi for 30 minutes. After this test was conducted, the interstitial space

II. TANK SYSTEM INSTALLATION ASSESSMENT (Continued)

C. Underground Tank and Piping Testing (Continued)

1. Tightness Testing (40 CFR 264.192 (d)) (Continued)

a. Underground Tanks. (Continued)
between the walls of the double-wall tanks was pressurized with air from the tank interiors for an additional 30 minutes.

b. Underground Piping. The HD polyethylene-jacketed underground used solvent piping was air tested for tightness before being covered. The piping and jacket were separately air tested for a minimum of 30 minutes, the former to 60 psig, the latter to 5 psig.

Documentation of the tightness testing for both tank and piping is included in Appendix B. These tests disclosed no evidence of leakage from either the used solvent tank or its interstitial space, or the used solvent underground piping or its secondary containment jacket.

2. Holiday Testing (40 CFR 264.192(f))

Prior to setting and covering, the tanks were tested for the presence of defects in the fiberglass reinforced plastic (FRP) coating. The entire surface area of the tank was examined using a 35,000 volt holiday testing machine. This test disclosed no evidence of defects in the tanks' FRP coating.

II. TANK SYSTEM INSTALLATION ASSESSMENT (Continued)

D. Tank Cathodic Protection

A copy of the independent corrosion expert's report on the installation of tank cathodic protection is included in Appendix B.

E. Secondary Containment Installation

1. Used Solvent Storage Tank (40 CFR 264.193(e)(3))

Modern Welding Company, Inc., the tank manufacturer, states that the double-wall steel-FRP composite used solvent storage tank installed at this site was fabricated to satisfy the requirements of UL-58 and UL-142 and that it also satisfies the requirements of ACT-100, NFPA 30 and 31, the Uniform Fire Code and EPA 280.20. Further, cathodic protection was installed on the tank during its installation. Therefore, the tank appears to satisfy the requirements of 40 CFR 264.193 (e)(3) (i) and (ii) in providing an integral double-wall structure which is protected against both internal and external corrosion. Further, the continuous leak detection system required by 40 CFR 264.193 (e)(3)(iii) has been installed as described in Report No. 91-141 as modified by Appendices A-17a and B-9.

2. Ancillary Equipment (40 CFR 264.193(b), (c) and (f))

a. Drum washers. The curbed reinforced concrete secondary containment slab below the grated floor in the return and fill shelter was constructed as drawn in Appendix A-4a, except for installation of the impermeable concrete coating specified in

II. TANK SYSTEM INSTALLATION ASSESSMENT (Continued)

E. Secondary Containment Installation (Continued)

2. Ancillary Equipment (40 CFR 264.193(b), (c) and (f)) (Continued)

a. Drum washers. (Continued)
Appendix A-19a. At this writing, a temporary coating (Horsey Set.WDE) has been installed. The purpose of this coating is to protect the concrete from chlorides and the effects of temperature extremes during the 45-day curing period specified by the industrial coating manufacturer (DuPont). Safety-Kleen plans to install the industrial coating at the end of this curing period. Otherwise, TERA considers this curbed secondary containment slab to satisfy 40 CFR 264.193(e)(2) for vault-type structures, as well as the above regulations.

b. Underground Piping. The underground used solvent piping has been provided with secondary containment in the form of a high-density polyethylene pipe jacket which is fully described in Report No. 91-141. This piping slopes downward to the sump riser for the tank fill nozzle, where an automatic leak detection sensor has been installed as further described below to immediately detect pipe leakage collected by the pipe jacket.

c. Tank Nozzles. The three secondary containment sump risers on the used solvent tank were installed as indicated in Appendices A-1, A-2, and A-3 of Report No. 91-141. Leak-detecting

II. TANK SYSTEM INSTALLATION ASSESSMENT (Continued)

E. Secondary Containment Installation (Continued)

2. Ancillary Equipment (40 CFR 264.193(b), (c) and (f)) (Continued)

a. Drum washers. (Continued)
sensors have been installed inside each sump riser as shown on those drawings and modified by Appendices A-17a and B-9.

III. CONCLUSIONS OF ASSESSMENTS

Except for the item listed below, based on the information presented above and included in this report, the new underground storage tank system for used solvent at the Safety-Kleen facility in Albuquerque, New Mexico, appears to have been installed in accordance with the design documentation in TERA Report No. 91-141, as modified herein, so as to be sufficiently compatible with the wastes being stored and to not leak, collapse, rupture, or fail in its intended service. Except as noted below, inspections revealed no evidence of weld breaks, punctures, scrapes of protective coatings, cracks, corrosion, and other structural damage or inadequate construction or installation. Except as noted below, a secondary containment system is provided that appears to meet the requirements of 40 CFR 264.193.

The following item must be completed to bring the above-referenced tank system into full compliance with 40 CFR 264.192 and 40 CFR 264.193, and Part V of the New Mexico Hazardous Waste Management Regulations.

The final coating described in Appendix A-19a must be installed as specified in Appendices A-23 and A-24.

ILLUSTRATIONS

ILLUSTRATIONS

TABLE OF CONTENTS

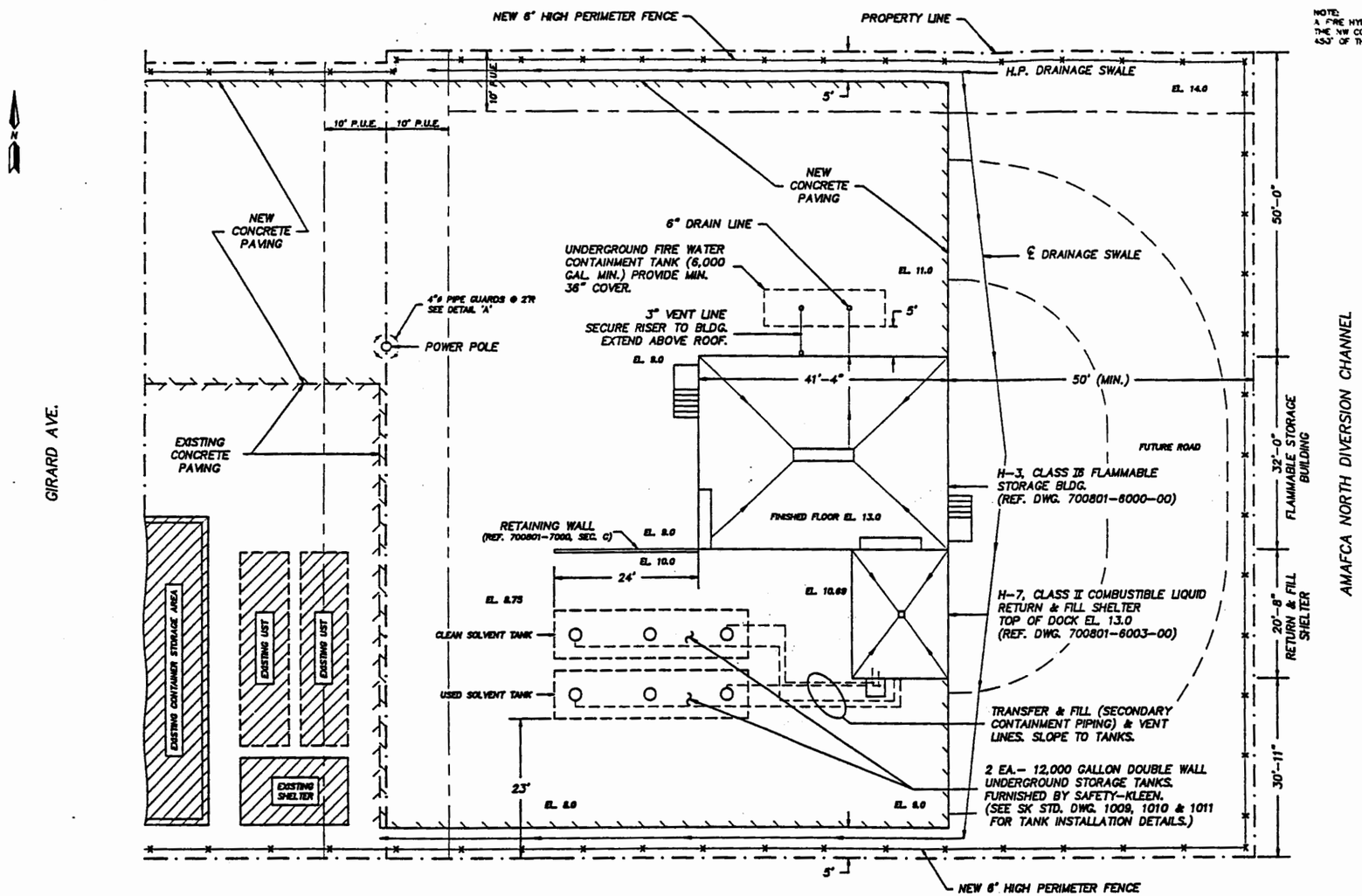
The two illustrations (Plate 1 and 2) in TERA Report No. 91-141, the design assessment report, have been revised to reflect changes since that report was issued April 25, 1991. The changes are:

1. The Site Plan for the tank system has been revised. It appears in Report No. 91-141 as Plate 1. The as-built site plan is included in this report as Plate 1a. The main revision is a change to reinforced concrete in lieu of asphalt concrete pavement.

2. The Piping Schematic (Plate 2 in Report No. 91-141) has been revised by the addition of a pump between the drum washer (or dumpster) and the used solvent UST and changes in the underground piping routing.

Title	Plate No.
Site Plan*	1
Partial Site Plan (From 91-141)	1a
Piping Schematic*	2
As-Built Piping Schematic	2a

* Obsolete document. Replaced by document listed on line immediately following the starred item.



NOTE:
A FIRE HYDRANT IS LOCATED APPROX. 30' FROM THE NW CORNER OF THE PROPERTY AND IS WITHIN 453' OF THE FURTHEST POINT OF THE STORAGE BLDG.

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

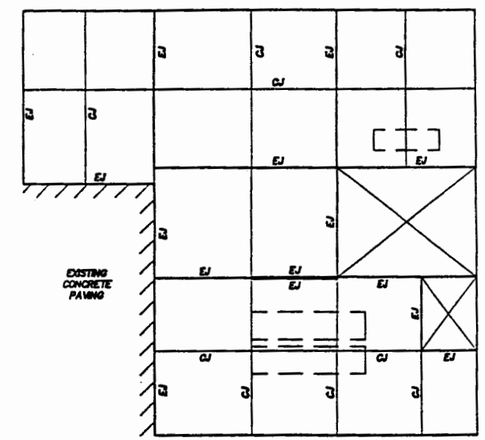
92-403-19

NOTES:

1) NEW PERIMETER FENCE IS TO BE 6 FT.- 9 GUAGE, GALVANIZED CHAIN LINK W/ 3 STRANDS OF BARBED WIRE. LINE POST- 2" O.D. SS20, TOP RAIL- 1 5/8" O.D. SS20, TERMINAL AND END POST- 3" O.D. SS40, GATE POST- 4" O.D. SS40. PROVIDE BOTTOM TENSION WIRE. POST TO BE SET 24" IN CONCRETE. MAXIMUM SPACING OF LINE POSTS TO BE 10 FT. C.C. VERIFY LAYOUT WITH PROJECT MANAGER.

2) CONCRETE PAVEMENT: (APPROX. 1300 SY)

3000 PSI CONCRETE @ 28 DAYS.
6" CONCRETE SLAB WITH 6 X 6 X #8 WWF OVER 6" COMPACTED AGGREGATE BASE OVER COMPACTED SUBBASE. PROVIDE CONTROL/EXPANSION JOINTS AS SHOWN BELOW. SUB-GRADE AND FINAL GRADE IS THE RESPONSIBILITY OF THIS CONTRACTOR. VERIFY GRADES TO NATURAL DRAINAGE WITH PROJECT MANAGER. REF. SK DWG. D11322, DETAIL C2 FOR FURTHER DETAILS.

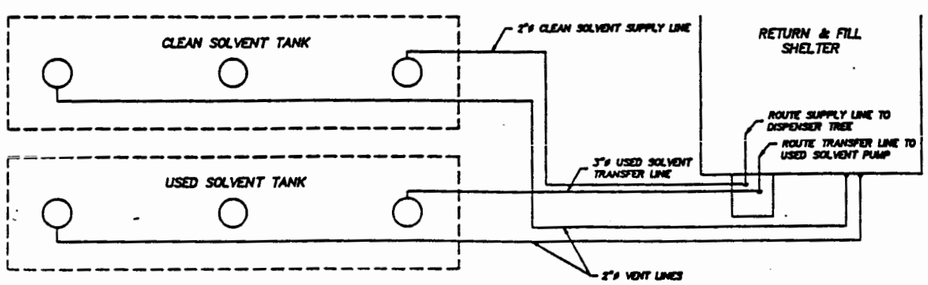


CONCRETE PAVING JOINT LAYOUT

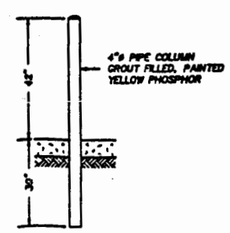
1" = 20'

EJ- EXPANSION JOINT
FOR EXPANSION JOINTS AT BUILDINGS, PROVIDE 1/2" PREFORMED EXPANSION JOINT MATERIAL AND JOINT SEALER.
FOR EXPANSION JOINTS IN PAVING, PROVIDE 1/2" PREFORMED EXPANSION JOINT MATERIAL, JOINT SEALER AND #4 SMOOTH DOWELS AT 24" CENTERS. COAT ONE END OF DOWELS WITH A NONBONDING AGENT.

CJ- CONTROL JOINT
PROVIDE 1/4" WIDE X 1" DEEP SAW CUT, FILL WITH JOINT SEALER.



PIPING SCHEMATIC



PIPE GUARD DETAIL 'A'

4 REQ.

NOTE:

H-3 AND H-7 BUILDINGS TO BE TYPE V-N CONSTRUCTION (UBC-91 TABLES 5-A THRU 5-D, 9-C AND 17-A), EXCEPT FOR THE FOLLOWING:

1. COMMON WALL BETWEEN H-3 AND H-7 BUILDINGS TO BE 4 HOUR AREA SEPARATION WALL WITH 3 HOUR OPENING. (UBC-91 505(f) AND 901(e))
2. ROOF/CEILING ASSEMBLY OF H-3 BUILDING TO BE 2 HOUR RATED. (UBC-91 505(f), EXCEPTION 1.)

PLATE 1a

NO.	DESCRIPTION	BY	CHK	APPR	DATE
0	RELEASED FOR REGULATORY REVIEW & BIDDING	JFG	RCS	JWC	10/29/91

REVISIONS

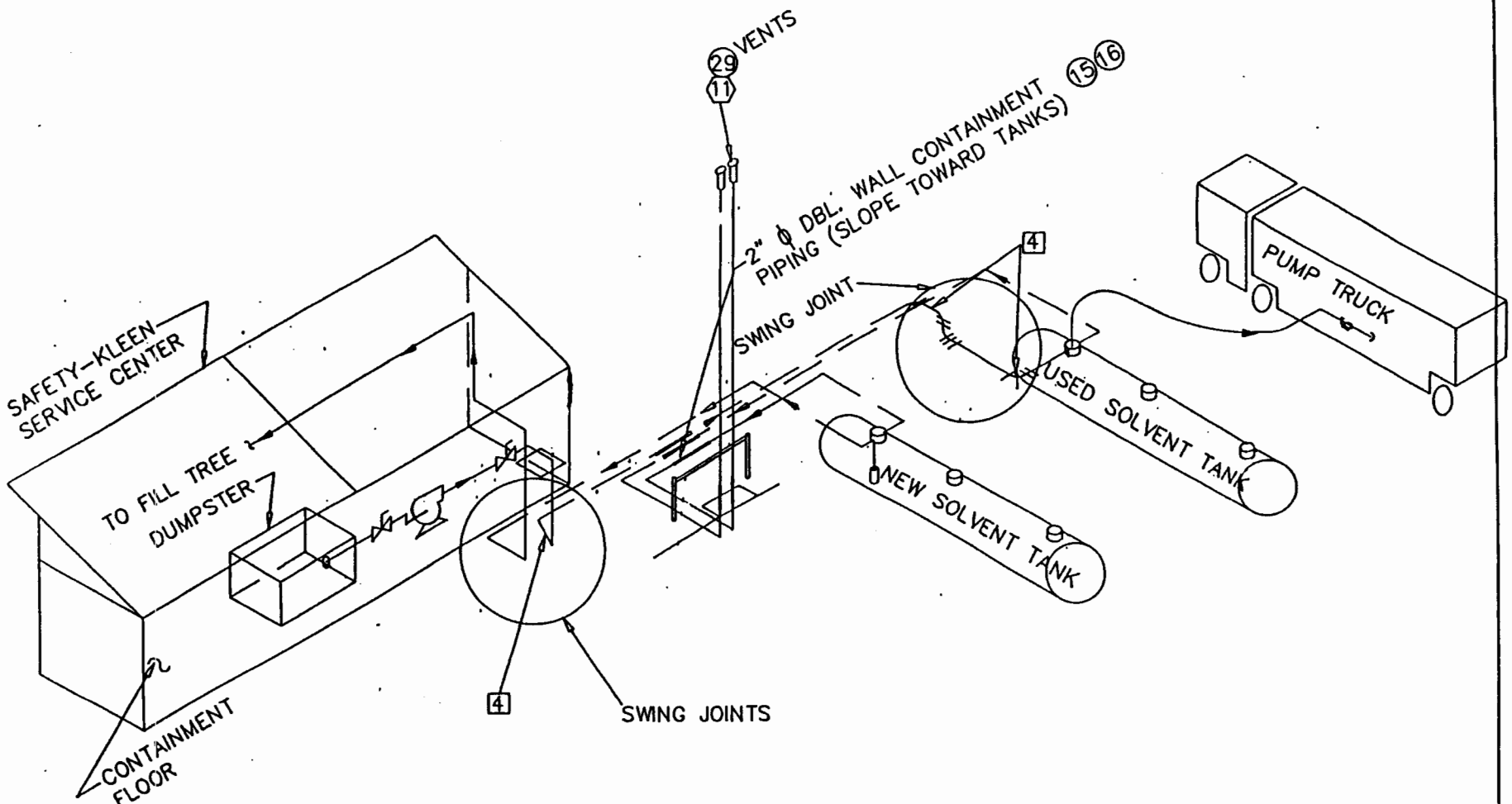
TITLE: PARTIAL SITE PLAN

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE	BY	CHKD	P.E. APPR	OP. APPR	DATE
1" = 10'	J.F.G.				10/29/91

ALBUQUERQUE, NM

STD-DWG-REV NO. 700801-0005-00 SH. 2 OF 6



PIPING SCHEMATIC

92-403-19

TERA, INC.

PLATE 2a

APPENDIX A

Design Changes

APPENDIX A

Design Changes

The information in this Appendix documents changes in the installed used solvent tank system from the design assessment report (TERA Report No. 91-141), which was issued on April 25, 1991. These changes are:

1. The design of the return and fill shelter, which, as constructed, is somewhat different from that shown in Appendices A-4 and A-6 of our Report No.91-141. Appendices A-4a and A-6a herein replace these two appendices. The coating for the curbed slab is also different from that indicated in Appendix A-20 of Report No. 91-141; Appendix A-19a describes the coating installed on that slab.

2. Substitution of a "Level-Devil" high level alarm system for the Drexelbrook HLA system shown on Appendix A-7 of Report No. 91-141. Appendix A-7a herein describes the HLA system installed in this tank system.

3. Substitution of a Veeder-Root leak detection system instead of the MSA Tank guard leak detection system documented in Appendix A-17 of Report No. 91-141. Appendix A-17a herein describes the leak detection system installed in this tank system.

The function of the these three components of the used solvent tank system remains the same as is described in the text of Report No. 91-141.

4. Addition of a used solvent pump in the return and fill shelter to transfer used solvent from the drum washers to the used solvent UST via pressure rather than gravity flow, as shown in Appendix A-3 of Report No. 91-141.

APPENDIX A

TABLE OF CONTENTS

The documents listed below marked with a single asterisk (*) were included in Report No. 91-141, but they are not part of the tank system installed at this site. The documents listed below not marked with a single asterisk reflect the components actually installed at this site.

Title	Page No.
H-7 Return and Fill Shelter, Drawing No. 700801-6003, Rev. 00*	A- 4
Return and Fill Shelter Plan, Section and Details, Drawing No. 700801-6003, Rev. 01	A- 4a
Assembly Details for Double Bay Shelter, Drawing No. D11322*	A- 6
Miscellaneous Masonry Details, Drawing No. 700801-7001-00	A- 6a
Drexelbrook High Level Alarm System Installation Details, Drawing No. D13102*	A- 7
Level-Devil High Level Alarm System, Manufacturer's Data	A- 7a
MSA Tank Guard Leak Detection System Data*	A-17
Veeder-Root Leak Detection System Data	A-17a
Sikaflex 1a Coating Data*	A-19
Dupont Imron Coating Data	A-19a
Horsey Set. WDE Undercoating Data**	A-22

APPENDIX A

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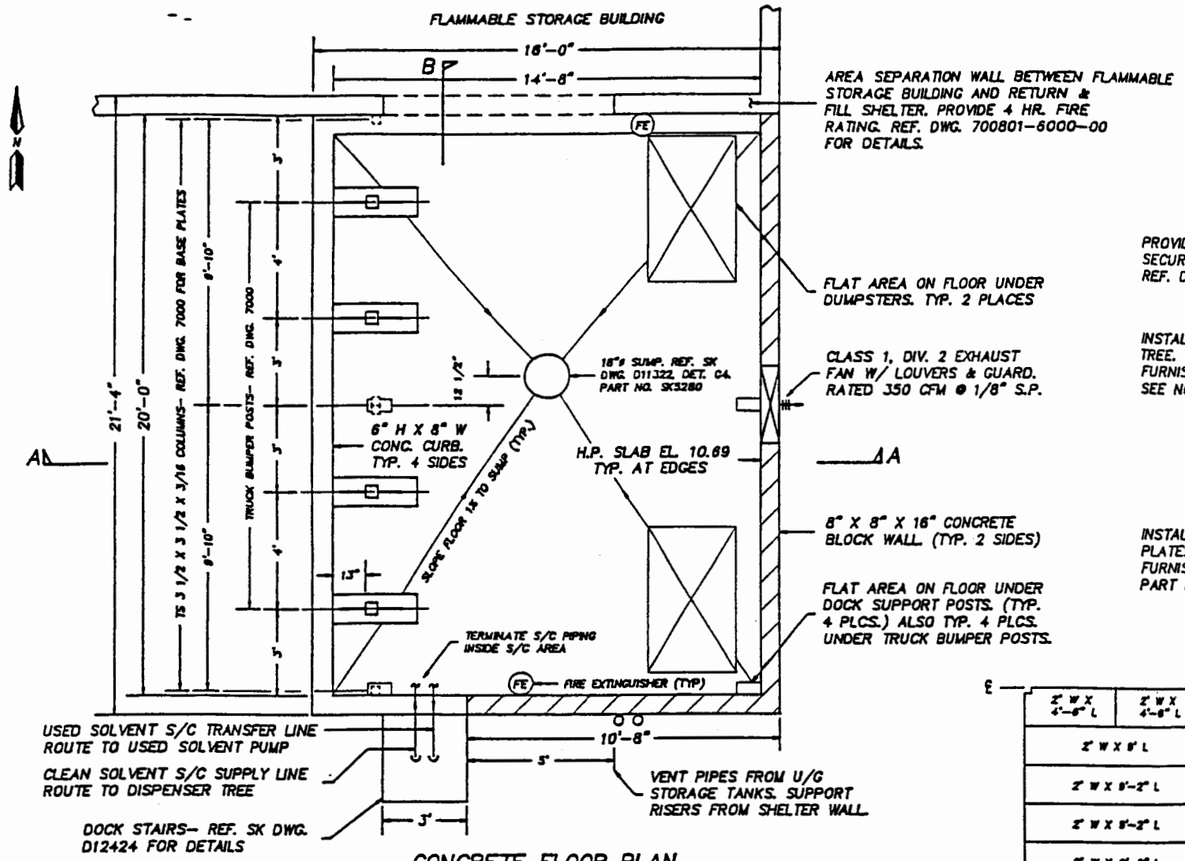
(Continued)

Miscellaneous Structural Details,
Drawing No. 700801-7000, Rev. 01** A-23
Notes and Specifications,
Drawing No. 700801-7001, Rev. 01** A-24
Solvent Pump Piping Installation Details, D11150** A-25

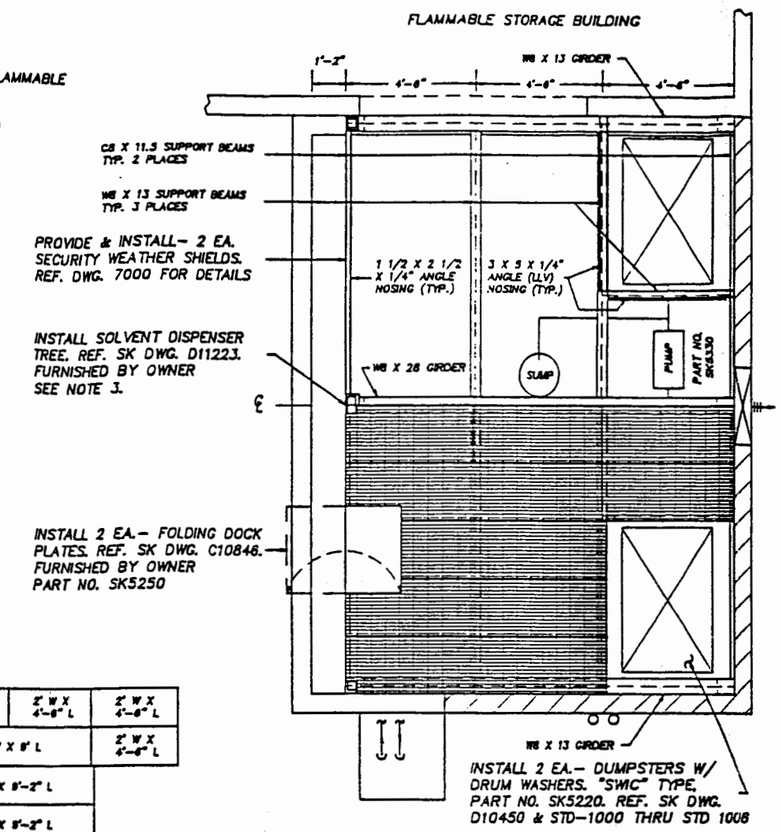
* Obsolete document. Replaced by document listed on line immediately following the starred items.

** Added. Not included in Report No. 91-141



CONCRETE FLOOR PLAN

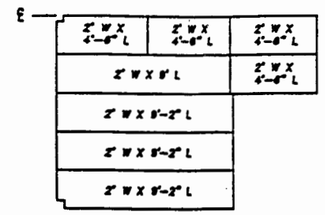
3/8" = 1'



STEEL DOCK FLOOR PLAN

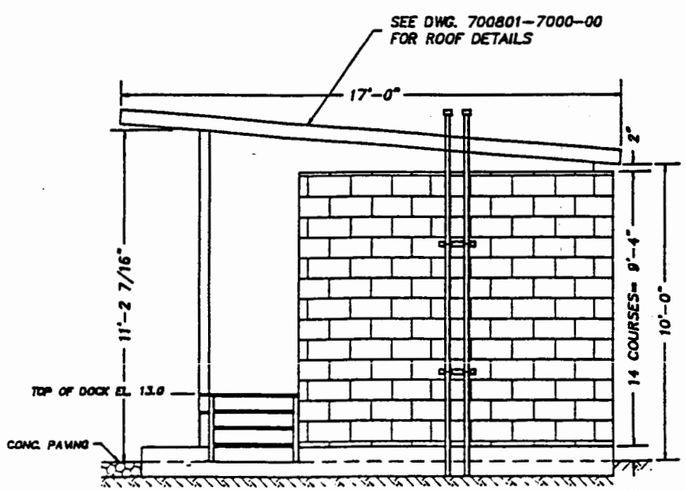
3/8" = 1'

HALF OF GRATING FLOOR IS SHOWN ABOVE
LAYOUT IS SYMMETRICAL ABOUT CENTERLINE
GALV. GRATING, PAINT STEEL MEMBERS



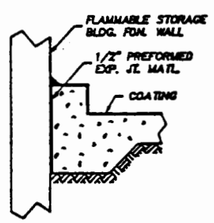
GRATING PANELS

HALF OF GRATING FLOOR IS SHOWN ABOVE. LAYOUT IS SYMMETRICAL ABOUT CENTERLINE. DIMENSIONS ARE NOMINAL. ALLOW STD. SPACING BETWEEN PANELS. GRATING IS KLEMP 1 1/2" X 3/16" BAR GRATING WITH 15/16" CENTERS, OR EQUAL.



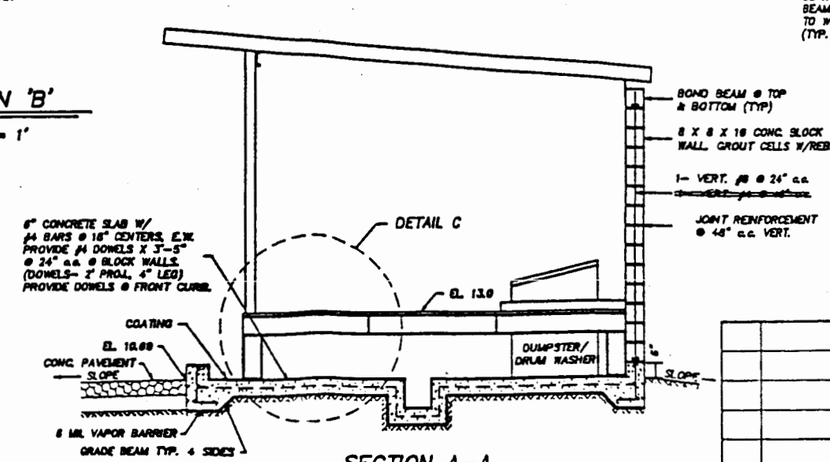
SOUTH ELEVATION

3/8" = 1'



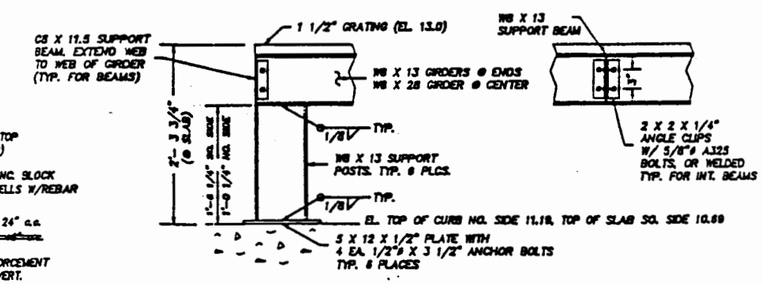
SECTION "B"

3/4" = 1'



SECTION A-A

3/8" = 1'



DETAIL C

SYMMETRICAL FOR 3 GIRDERS

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

92-403-19
A-4a

NOTES:

1) ALL DETAILS INDICATED ON THE FOLLOWING REFERENCED SAFETY-KLEEN DRAWINGS ARE INCORPORATED INTO AND MADE A PART OF THE DESIGN OF THIS STRUCTURE BY REFERENCE:

DRAWING NO.	ITEM
D10450-08	DUMPSTER FINAL ASSEMBLY DETAILS
D10452-08	DUMPSTER VALVE & HOSE ASSEMBLY
D14288	DRUM WASHER SCHEMATICS
STD 1000 THRU 1008	DRUM WASHER ASSEMBLY DRAWINGS
D11150	SOLVENT PUMP PIPING INSTALLATION DETAILS
D11413	TYPICAL FLOAT SWITCH INSTALLATION
D11223	SOLVENT DISPENSER TREE
D12424	STORAGE SHELTER (DOCK STAIRS)
C10846	FOLDING DOCK PLATE DETAIL
D11322	TYPICAL CONCRETE CONSTRUCTION DETAILS

2) DETAILS SHOWN ON THE ABOVE REFERENCED DRAWINGS SHALL BE MODIFIED AS NECESSARY TO CONFORM TO THE DIMENSIONS SHOWN ON THESE DRAWINGS. IN THE CASE OF A DISCREPANCY BETWEEN THESE DRAWINGS AND REFERENCED DRAWINGS, THOSE DETAILS SHOWING THE MOST STRINGENT AND COMPLETE WORK SHALL GOVERN.

3) THE FOLLOWING COMPONENTS ON THIS DRAWING SHALL BE FURNISHED BY SAFETY-KLEEN AND INSTALLED BY THE CONTRACTOR:

ITEM	SK PART NO.	SK DRAWING NO.
DUMPSTERS W/ DRUM WASHERS	5220	D10450, STD-1000 THRU 1008
DUMPSTER VALVE & HOSE ASSY.	5237	D10452
USED SOLVENT PUMP ASSY.	SEVERAL	D11150
DISPENSER TREE	SEVERAL	D11223
STAINLESS STEEL SUMP	5280	D11322
FOLDING DOCK PLATES	5250	C10846

4) ALL OTHER COMPONENTS SHOWN ON THIS SHEET SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

5) REFERENCE NOTES AND SPECIFICATIONS DWG. NO. 0001 FOR ADDITIONAL INSTRUCTIONS AND CONSTRUCTION DETAILS.

6) REFERENCE DWG. 700801-7000-00 FOR MISC. STRUCTURAL DETAILS NOT SHOWN HEREON.

7) REFERENCE DWG. 700801-7000-00 FOR S/C COATING DETAILS

8) REFERENCE DWG. 700801-6000-00 AND 6001-00 FOR ELECTRICAL INSTALLATION.

9) SHELTER TO RECEIVE USED CLASS II LIQUID AND DISPENSE CLEAN CLASS II LIQUID.

SECONDARY CONTAINMENT VOLUME (GALLONS):

DUMPSTERS	2 EA. X 162 =	324
30- GAL. DRUMS	10 EA. X 30 =	300
		624
REQUIRED (10% *)		63
AVAILABLE		930

* 10% OF VOLUME OF WASTE STORED (40 CFR 264.175)

NO	DESCRIPTION	BY	CHK	APPR	DATE
0	RELEASED FOR REGULATORY REVIEW & BIDDING	JFG	RCS	JWC	10/23/91

REVISIONS

TITLE
RETURN & FILL SHELTER
PLAN, SECTION AND DETAILS

SAFETY-KLEEN CORP.
777 NO. RAILROAD AVE. ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE NOTED	BY J.F.G.	CHKD R.C.S.	P.E. APPR	OP. APPR	DATE 10-23-91

ALBUQUERQUE, NM

STD-DWG-REV NO. 700801-6003-00

SH. 4 OF 5

GENERAL NOTES

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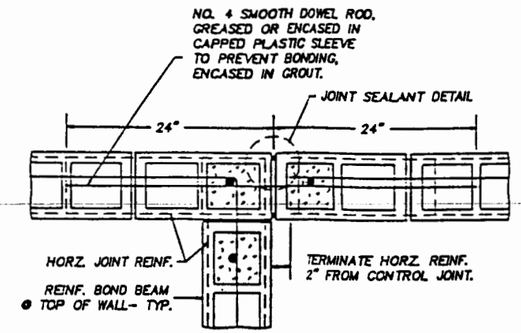
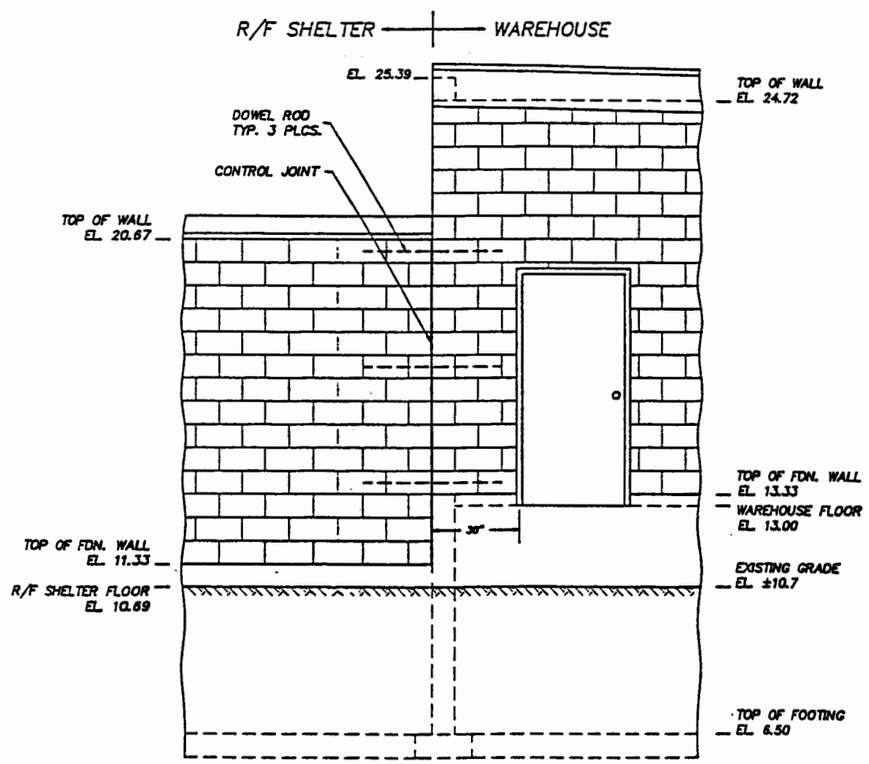
92-403-19
A-6a



TYPICAL SECTION @ CONTROL JOINT

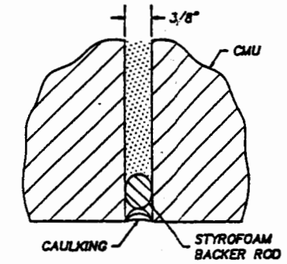
1 1/2" = 1'



PARTIAL EAST ELEVATION

1/2" = 1'

(LANDING AND STAIRS NOT SHOWN)



JOINT SEALANT DETAIL

FULL SCALE

NO.	DESCRIPTION	BY	CHK	APPR	DATE
0	RELEASED FOR BIDDER REVIEW	JFG	RCS	JMC	11/13/91

REVISIONS

TITLE: MISC. MASONRY DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE NOTED	BY J.F.G.	CHKD	P.E. APPR	OP. APPR	DATE 11/13/91

ALBUQUERQUE, NM

STD-DWG-REV NO. 700801-7001-00 SH. 6 OF 6

HIGH LEVEL ALARM SYSTEM

SYSTEM DESCRIPTION

The high level alarm (HLA) system to be installed on this used solvent UST system is the "Level Devil" System further described on the pages following this one.

The particular Level Devil System to be installed for this tank system features:

1. An in-tank ultrasonic sensor mounted in a 2" nozzle in the westernmost sump riser of the tank (See Plate 1a and Appendix B-9). According to the manufacturer, these sensors, when properly installed, have the ability to monitoring the depth of liquid in the tank to plus-or-minus 0.25 inches.

2. A control panel, to be mounted on the south wall of the return and fill shelter (See Plate 1a), which:

   a. Has been fitted to monitor the liquid levels in two tanks (i.e., both clean and used solvent UST's), with a capability of adding two more tanks to the monitoring system. A visual, non-recording liquid level display meter, mounted on the control panel box, can be switched between the tanks.

   b. Sounds an audible alarm (i.e., a horn) if the depth of liquid in the tank(s) exceeds a pre-programmed level (for this system a maximum of 95% of capacity, 11,400 gallons.).

   c. Cuts the power to the used solvent pump in the return and fill shelter (and the submersible pump in the product tank) if the depth of tank liquid reaches the pre-programmed level.

   d. Has a system test button which sounds the visual and audible alarms and disconnects the power to the pumps when pushed.

3. A visual alarm (a blinking amber-colored light), to be mounted near the control panel, which goes off if the tank liquid depth reached the pre-programmed level.

OPERATIONAL TESTING

At startup, the system is calibrated on-site by the manufacturer with the tank empty. The tank is then filled to the preset depth, at which point the alarm should sound. If it does not, the system is recalibrated until it does.

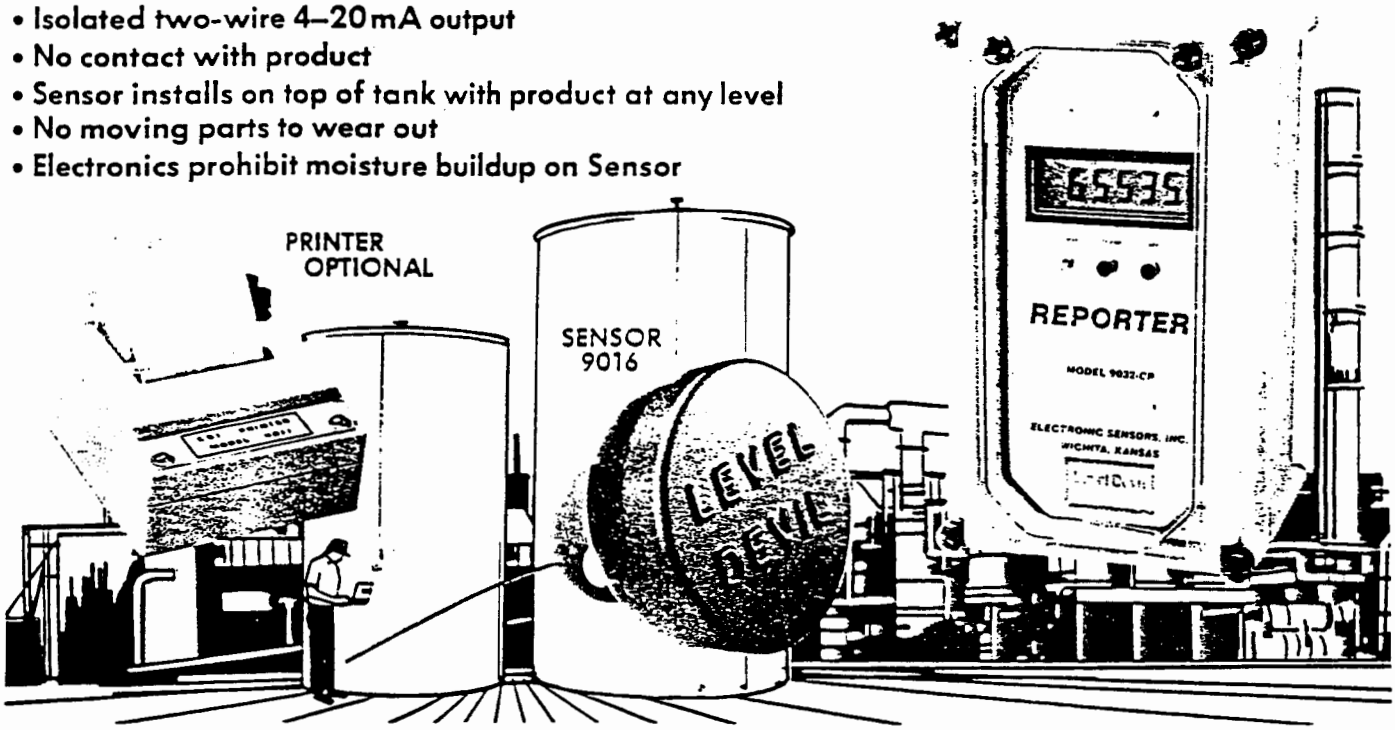
During normal operations, the test button serves to test all system features, except its calibration. Should suspicions arise that the liquid depth monitoring is out of calibration, the system is recalibrated per manufacturer's instructions.

REPORTER

Level Devil System ULTRASONIC LEVEL SENSORS

- Continuous level reporting and controlling
- Monitors up to four tanks
- Accurate to ±¼ inch
- Transmits data over phone lines
- Up to five level-activated relays
- Isolated two-wire 4–20 mA output
- No contact with product
- Sensor installs on top of tank with product at any level
- No moving parts to wear out
- Electronics prohibit moisture buildup on Sensor

REPORTER 9032



Overview

The Reporter System is a full-feature, programmable inventory reporting and controlling system. Industry-proven, temperature-compensated ultrasonic technology measures tank level, and analog and binary inputs are provided to monitor other tank site data such as temperature of incoming product, position of solenoid valve, status of heating blanket, etc. Level-activated relays are available for alarms as well as for controlling equipment. Tank inventory is displayed on the local LCD, is available on the 4–20 mA output, may be transmitted over the phone lines, and printed on the local printer.

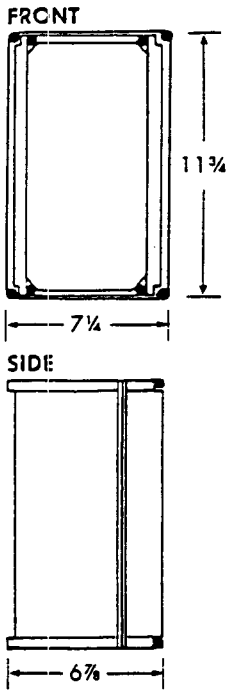
System and Accuracy

The Reporter System consists of two components: The Continuous Power Reporter and a Sensor. The System has an accuracy of ±0.25" plus one least significant digit of display reading or 0.1% plus one least significant digit of display reading, whichever is greater.

Calibration

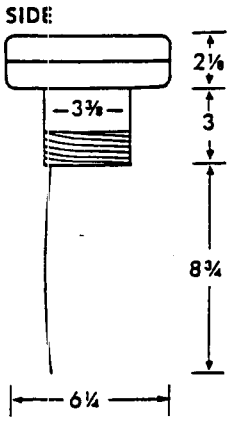
Calibration is easy and performed only once during initial installation. The user may very easily fine-tune the system if required.

Specifications: Reporter Level Devil System



REPORTER	MODEL 9032-CP
Monitoring Capacity	One Sensor (up to 4 Sensors optional).
Mounting Location	Any convenient location up to 300' from Sensor(s) (2500' optional).
Display	6-digit Liquid Crystal Display (LCD) 0.7" high.
Temperature Range	−10°F to 140°F.
Power Source	110 VAC – 20 Watts.
Material Structure	NEMA 3,3R,4,4X,6,12,13 enclosure constructed of non-corrosive fiberglass with a hinged polycarbonate cover.
Display Units	Level, volume, or absolute distance.
Leak Detection	Manual or automatic activation. Resolution to 0.01".
Weight	10 lbs.
Options	
4–20 mA Output (−420)	One isolated two-wire configuration. ISA standard interface. 4 mA at 0%, 20 mA at 100%.
Relay Outputs (−xK) [5 max*]	10 A resistive or 7 A inductive at 110 VAC.
Analog Inputs (−xA) [4 max*]	0 to 5 VDC (input impedance=1000 ohms).
Binary Inputs (−xB) [4 max*]	0 to 0.8 VDC=low condition; 2.8 to 5 VDC=high condition.
Modem (−MDA) (−MDS)	300/1200 baud. Available in answer-only or answer/originate configuration. Modem not available with −232 or −422 options.
Serial Interface (−232) (−422)	RS232 or RS422 computer-compatible serial interface.
Local Printer (−PR)	24 characters per line, 2¼" wide paper. May be up to 25 feet from Reporter.
Sensors (−xS) [4 max*]	Interface circuitry for additional Sensors up to 300 feet from Reporter. One Sensor interface is standard.
Extra Range (−xXR) [4 max*]	Sensor may be up to 2500 feet from Reporter. (−xS plus −xXR may not exceed 4.)

*x=1 for one option, x=2 for two options, etc.



SENSOR	9016-CP-KN35
Function	Uses ultrasonics to measure product level.
Measurement Range	1.5 (0.8 optional) to 35 feet from Sensor.
Electrical Terminals	Four screw terminals to mate with Reporter.
Weight	1¼ lbs.
Mounting Location	Top of tank, perpendicular to product level.
Mounting	Hand-tightens into 3-inch pipe thread opening (2" available).
Power Source	Obtains power from monitoring device.
Temperature Range	−10°F to 140°F.
Adjustments	Two – set at factory.
Material Structure	Gray PVC nipple with ABS housing.
Exposed Materials	PVC, polyethylene, Kynar-like coat, epoxy.
Options	
Short Dead Band (−SD)	Reduces minimum measurement to 0.8 feet from Sensor.
Underground Mounting	See Electronic Sensors, Inc. Model 9025.
Extra Range (−XR)	See Electronic Sensors, Inc. Model 9025.

Level Devil System

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE
WARRANTY 12 MONTHS

Electronic Sensors, Inc. 400 East First Street Wichita, Kansas 67202 (316) 267-2807

Litho in USA 10/88

LEAK DETECTION SYSTEM

SYSTEM DESCRIPTION

The leak detection system to be installed for this used solvent system is the Veeder-Root TLS-350 UST Monitoring System further described in the pages beginning with A-17c. This leak detection system has been approved by the New Mexico UST Bureau (See Appendix A-17h).

The particular TLS-350 System to be installed for this tank system features:

1. An in-tank leak-detecting magnetorestrictive probe installed through the manway cover in the center sump riser of the tank (See Plate 1a and Appendix B-9). According to the manufacturer, this probe, when properly installed, has the ability to detect a leak of less than 0.1 gallons per hour, with at least a 95 percent probability of detection. This level of precision satisfies current EPA standards for volumetric tank tightness test methods.

2. An interstitial leak-detecting float-switch sensor installed through a 2" nozzle at the easternmost end of the tank (See Plate 1a and Appendix B-9). This sensor detects the presence of liquid in the interstice of the tank. It is mounted at the low end of the tank, which is sloped to cause any liquid in the annular space to drain to the vicinity of the sensor.

3. Float-switch sensors in each of the sump risers to detect the presence of liquid in the sump (See Appendix B-9).

4. A control console, with intrinsically-safe electronic monitoring modules. This console, which is to be mounted on the wall of the Branch Manager's office:

   a. Continuously monitors the liquid levels in two tanks (i.e., both clean and used solvent UST's). This system has one in-tank probe module, with the capability of monitoring four tanks.

   b. Continuously monitors the readings sent by the interstitial and sump riser leak-detecting sensors. Additional modules mounted in the console perform these tasks.

   c. Provides visual or printed results of measurements. A 24-character liquid crystal display provides readouts from any of the probes or sensors. A small printer mounted on the console provides a hard copy report of data automatically generated by the system or requested by the operator.

   d. Automatically performs system diagnostics and records and date-times each inventory increase in the tank. The system routinely prints transaction reports of inventory increases and can print reports of diagnostic routines.

   e. Can be programmed to automatically perform a variety of tasks, like inventory control, periodic leak testing, and sounding an alarm to guard against such conditions as overfilling and liquid loss. A 24-button keyboard (with 12 operating and 12 alpha-numeric buttons) on the console facilitates this programming The console has a battery to preserve this programming information in the event of power failure. A security code can be entered into the console's computer to prevent unauthorized access.

   f. Has audible and visual alarms on the console to signal power availability, warning or alarm conditions. The audible alarm can be turned off by pushing the Alarm/Test button on the keyboard, but the alarm lights will stay on until the defect is corrected.

5. An audible and visual alarm, to be mounted on the west wall of the warehouse, which operates as directed by the control console.

OPERATIONAL TESTING

The manufacturer has published two manuals to assist Safety-Kleen in the use of this system, one detailing setup procedures, the one providing operational instructions. Appendix A-17l, taken from the setup manual, summarizes the procedure to follow to make sure the system works properly at startup.

1. Approximately 60 data entries are needed to complete the system setup programming. Many of these are one-time entries dealing with the geometries of the tank system and the material stored in the tank; many more are choices between various measurement and reporting options provided by the system. A manufacturer's representative is scheduled to be present to perform the startup procedure and to train Safety-Kleen personnel in the operation of the leak-detection system.

2. The system is to be initially calibrated by filling the tank with a pre-measured depth of product liquid and comparing that depth to the depth determined by the leak detection system and displayed on the control console LCD. To test the overfill alarm feature of the system, the parameters governing that feature are to be temporarily changed to match the pre-measured depth of fluid in the tank. Reports of the results of this test are to be printed out.

3. To test the leak-detection sensors in the sump risers, a small amount of product is to be injected into each riser near the sump sensor switch. This test will also test the leak-detection alarm feature of the system.

4. To test the leak-detection sensor in the tank wall interstice, the sensor is to be tested prior to installation in the interstice to avoid contaminating the interstice. This test will also test the interstice leak-detection alarm feature of the system.

During normal operations after system startup, Appendix A-17m, taken from the manufacturer's system operating manual, serves as a guide to system operation and testing.

1. Alarms. The system's alarm features automatically give warning of potential overfills, leaks, and equipment malfunctions. The console LCD will flash with a message pinpointing the nature and location of the problem. The Liquid Sensor Status function will also report an alarm condition in any sensor or the malfunction of a sensor. The Alarm/Test button on the keyboard may be used to test the audible (beep) and visible (amber light) features of the system to make sure that these alarms are working.

2. Alarm History report. This report can be generated at any time in Diagnostic Mode to check the recent operational history of the various components of the leak detection system. The report includes the last three occurrences of each type of alarm or warning condition detected by the system.

3. Unscheduled leak tests. The Start/Stop In-Tank Leak Test functions are used to conduct unprogrammed leak tests as measured by the in-tank probe. The results of such a leak tests is displayed on the LCD and can be printed out as well by pushing the Print button.

4. Troubleshooting. The system also has a Diagnostic Mode, which can be used for system troubleshooting and repair; this mode can produce an Alarm History report and a full Leak Test Results report.

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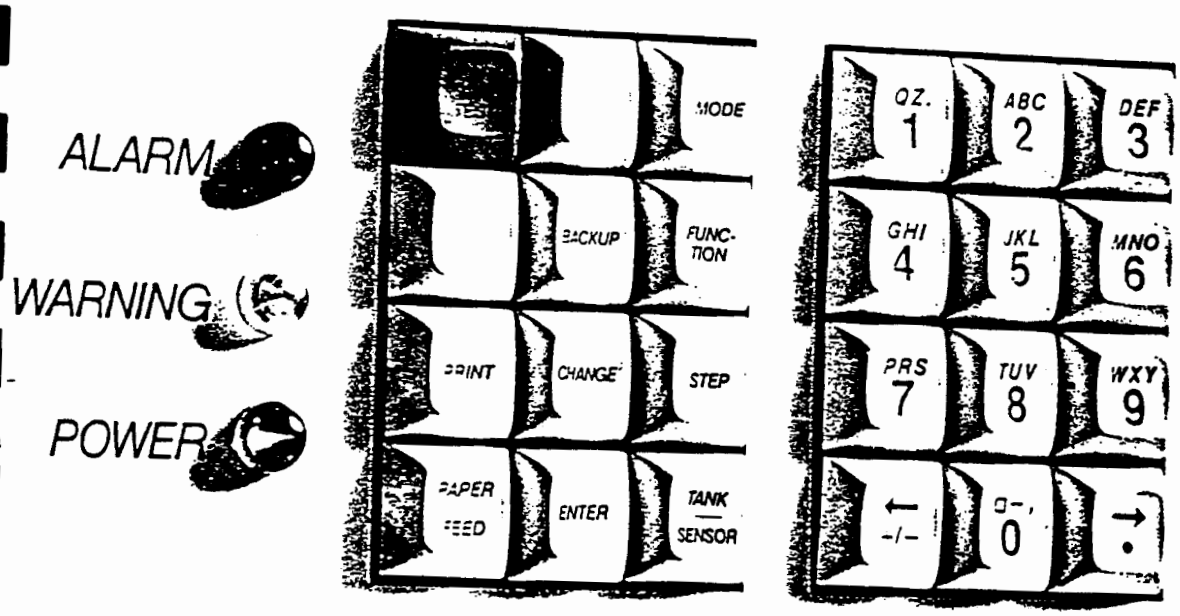
A-17c

VEEDER-ROOT

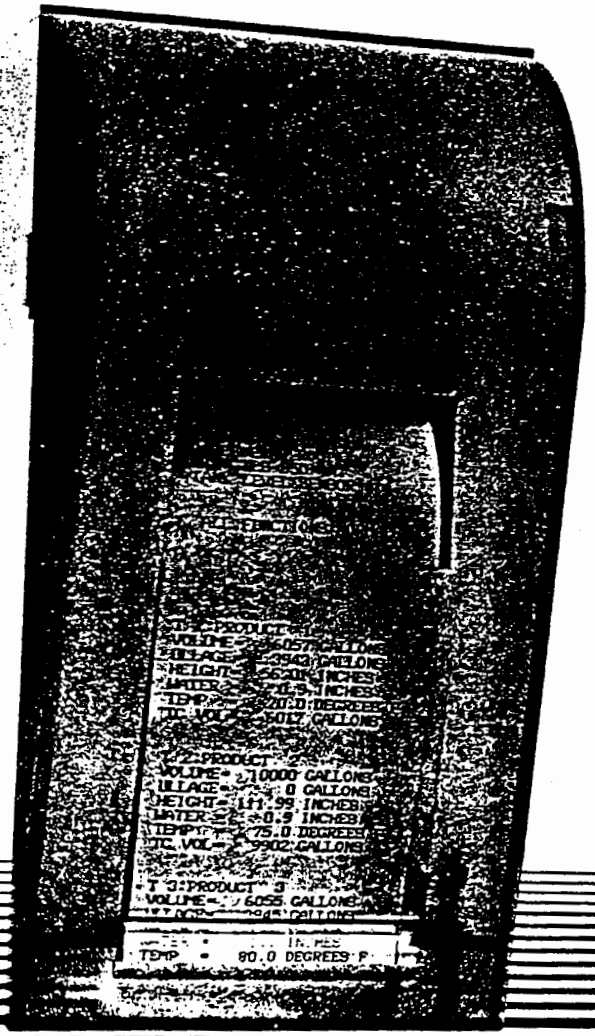


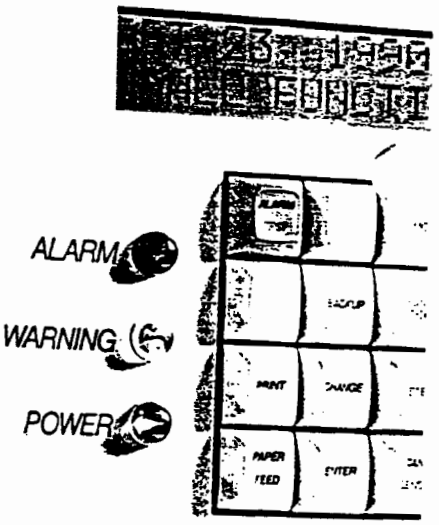
TLS350

UST Monitoring System

From VEEDER-ROOT ... UST Monitoring Systems

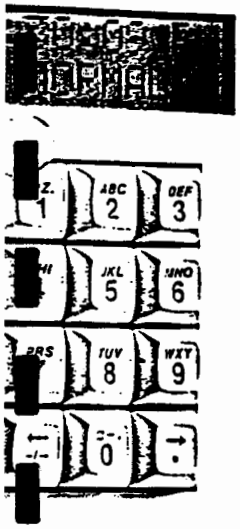
NEW! TLS-350 UST Right for Today...

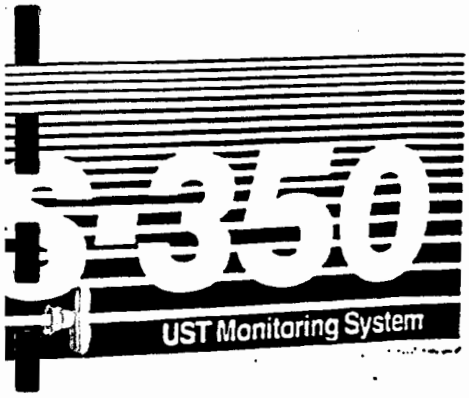




MONITORING SYSTEM Ready for Tomorrow

ROOT





Right For Today... because the new TLS-350 is an advanced, fully-integrated UST monitoring system that offers everything you need for improved business management, regulatory compliance and environmental protection. In fact, it offers all the monthly monitoring alternatives approved by the U.S. E.P.A. regulations, plus line leak detection for total compliance coverage in one system.

It's a system whose modular design lets you select only the features you need now with simple snap-in modules that provide:

- *Continuous inventory monitoring*
- *Fast, 0.1 GPH in-tank leak detection for up to 8 tanks*
- *Line leak detection for up to 8 lines*
- *Interstitial and piping sump leak sensing for up to 64 sensors*
- *Vapor well and groundwater monitoring for up to 40 wells*
- *External inputs*
- *Relay outputs*
- *Programmable alarms*
- *Data communications*

And, it's a single system with the ability to meet varying regulatory requirements in different geographic areas, yet the compatibility to link into one network for centralized polling and reporting of all inventory and leak detection data.

Ready For Tomorrow . . .

because the TLS-350 has the flexibility to expand with a growing business or changing regulations. You simply add features as you go.

The TLS-350 grows with you.

And, you can take advantage of advancements in leak detection and monitoring technologies as they happen to remain at the leading edge of UST management.

▼▼▼

What Makes TLS-350 Different From The Rest?

Experience! No other system ever had this much behind it when it was introduced. Veeder-Root's twelve years of measuring fuels inside more than 80,000 USTs led to the development of the TLS-350 . . . and it shows!

Plus, we're one of the few companies in the industry that designs, manufactures and services its own systems.

Integrated Design For Centralized, Single-System Site Monitoring

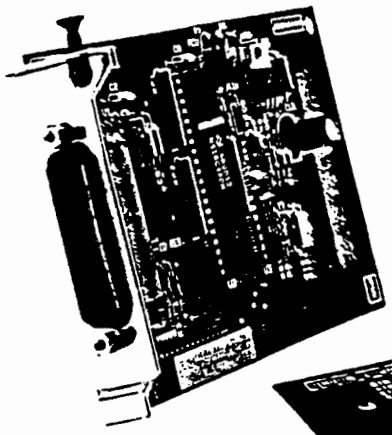
Integration means one system can handle all the monitoring, data collection, reporting, alarm and data communications at your site. No need to buy separate systems. You can even integrate external devices such as burglar alarms and other monitoring systems into the TLS-350 so that they can take advantage of its reporting, alarm and communications capabilities.

Modular Design To Meet Your Specific Needs Now—And Later

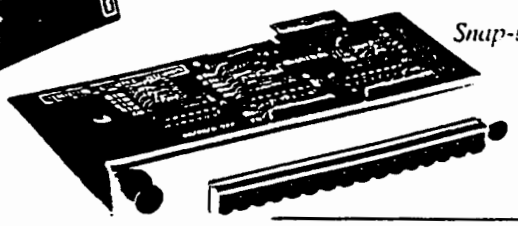
The TLS-350 console incorporates a modular design so that each monitoring, control and communications function is available as a compact, snap-in console module. These functions can be selected from the feature options available with the TLS-350.

- *Inventory control with 0.1 GPH in-tank leak detection*
- *In-line leak detection*
- *Interstitial monitoring*
- *Piping sump monitoring*
- *Vapor monitoring*
- *Groundwater monitoring*
- *System inputs and output relays*
- *Internal modems*
- *RS-232 communications ports*

The modular design lets you select only the features that best suit your current business and regulatory requirements. You don't have to buy capacity you won't use. And, later you can expand the TLS-350 when your business grows or if regulations change.



Eight positions for probe/sensor modules, eight positions for line leak detectors, output and input modules and three positions for communications modules are available in a single monitor. You pick the module combinations that meet your needs.



Snap-in modules provide the flexibility to handle varying business and regulatory requirements.

You pick the module that meets your needs

MODULE TYPE	FUNCTION	MAXIMUM MODULES PER SYSTEM
Probe and Sensor Modules *(Eight module positions available)*		
4-Probe Interface Module	Inventory Monitoring and In-tank Leak Detection. Four tanks per module.	2
Interstitial Sensor Interface Module	Interstitial and piping sump leak sensing for double-wall tanks and piping. Eight sensors per module.	8
Vapor/Groundwater Sensor Interface Module	Vapor and groundwater well monitoring. Five sensors per module.	8
Line Leak/Input/Output Modules *(Eight module positions available)*		
Line Leak Detect Module	Line leak detector interface and pump control. One line per module.	8
I/O Combination Module	Output relay and input interface to external systems or devices. Two inputs, two output relays per module.	8
4-Relay Output Module	Output relay interface with external systems or devices. Four relays per module.	8
Communications Interface Modules *(Three module positions available)*		
RS-232 Interface Module	Local connection to modem, computer, P.O.S. terminal. One port per module.	3
Internal Modem Module	Direct connection to phone lines. Two jacks per module.	3
Printer Interface Module	Required in systems equipped with optional integral printer.	1 (with printer)

Simple, Flexible Programming, Operation And Reporting

The programming capabilities . . .
of the TLS-350 provide extraordinary flexibility in the way you use the system and its features to meet your business and regulatory requirements.

Setup procedures are spelled out so you're guided through the process step by step. You enter information about your specific site, and about your monitoring and communications requirements. Plus, you can select U.S. or Metric operating units and have the display show information in English, French or Spanish. In fact, you can't overlook a setup step without the TLS-350 letting you know!

92-403-19
A-17h

State of New Mexico
ENVIRONMENT DEPARTMENT
Harold Runnels Building
1190 St. Francis Drive, P.O. Box 26110
Santa Fe, New Mexico 87502
(505) 827-2850

BRUCE KING
GOVERNOR

JUDITH M. ESPINOSA
SECRETARY

RON CURRY
DEPUTY SECRETARY

June 14, 1991

Mr. Jeffrey A. Davis
Veeder-Root
22322 Savona
Laguna Hills, CA 92653

Dear Mr. Davis:

I am in receipt of the EPA Standard Evaluation for the TLS 250, TLS 2501 and the TLS 350. These are approved methods for volumetric tank tightness testing in New Mexico. Please send me the description pages from the evaluation for our records.

If you have any questions, please contact me at (505) 827-2910.

Sincerely,

Shelda Sutton-Mendoza, Health Program Manager
Prevention/Inspection Section, USTB

cc: File

BID SPECIFICATIONS

TLS-350

UST MONITORING & LEAK DETECTION SYSTEM

Description:

A system with combined inventory control for up to eight tanks, in-tank leak detection, in-line leak detection, interstitial leak sensing, vapor sensing, and ground water monitoring capabilities. The system features a modular design that allows it to be configured with monitoring, input and output capabilities according to the needs of a particular site to include:

Hardware:

A. A wall-mounted console with the following:

1. Standard
   a. A 2-line, 24-character liquid crystal display for on-site viewing of all inventory, leak detect, and alarm information.
   b. A 24-button front panel keyboard with control and alpha-numeric functions for programming, operating and reporting.
   c. Three front panel LEDs to provide a visual indication of power-on, warning and alarm conditions.
   d. An internal audible warning and alarm indicator.
   e. Intrinsically safe.
   f. Underwriter Laboratory (UL) listed.
2. Optional
   a. An integral report printer with built-in take-up spool for hard copy documentation of inventory, leak detect and alarm information.
   b. A standard RS-232 communications interface module providing data transmission to a computer, point of sale terminal or printing device.
   c. An internal 1200/300 Baud modem module with twin snap-in jacks for direct data transmission over phone lines utilizing the Hayes command set.
   d. A 4-relay output module programmable to alarm limits and capable of actuating external alarm devices.
   e. An input/output combination module programmable to assign solid state inputs from external devices to relay outputs for activating external alarm devices.
   f. A 4-input in-tank probe module (maximum of two modules per console) compatible with standard capacitance probes and/or magnetostrictive probes.
   g. An 8-input sensor module compatible with sump and/or interstitial float switch sensors.
   h. A 5-input vapor sensor module compatible with vapor sensors.
   i. A 5-input ground water sensor module compatible with ground water sensors.
   j. A line leak detector control module compatible with a line leak detector kit that performs a positive displacement volumetric line test.

B. Capacitance Probes with built in diagnostics:

1. Capable of utilizing standard gas and oil resistant wire between 14 AWG and 18 AWG for field connections.
2. No more than two wires between each probe and the control console.
3. Leak detection capability of 0.1 GPH.
4. Third-party certification according to the U.S. EPA's "Standard Test Procedure for Evaluating Leak Detection Methods: Automatic Tank Gauging Systems."
5. Third-party certification according to the U.S. EPA's "Volumetric Tank Tightness Testing Method."

C. Magnetostrictive Probe with built in diagnostics:

1. Capable of utilizing standard gas and oil resistant wire between 14 AWG and 18 AWG for field connections.
2. No more than two wires between each probe and the control console.
3. Leak detection capability of 0.1 GPH.
4. Third-party certification according to the U.S. EPA's "Standard Test Procedure for Evaluating Leak Detection Methods: Automatic Tank Gauging Systems."
5. Third-party certification according to the U.S. EPA's "Volumetric Tank Tightness Testing Method."

D. Single-cable interstitial sensing elements capable of detecting fuel or water:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than two wires between each sump and/or interstitial sensor and the control console.

E. Single-cable vapor sensing element capable of detecting fuel and the presence of water:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than three wires between each vapor sensor and the control console.

F. Single-cable ground water element capable of detecting fuel and a dry well condition:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than three wires between each ground water sensor and the control module.

G. Line leak detection:

1. Consists of a plug-in module for the console and hardware that is installed in the line from the submersible pump.
2. A single line-leak module is required for each line to be monitored.
3. The line is tested at actual pumping pressure.
4. Tests are performed automatically and on demand.

Operating Capabilities:

A. The ability to monitor inventory in up to eight tanks and produce a combination of automatic and manual reports which include the following information:

1. Fuel Volume
2. Fuel Weight
3. Water Height
4. Fuel Temperature
5. Ullage
6. Temperature compensated fuel volume
7. Last inventory increase amount
8. Last in-tank leak test result
9. Time and Date
10. Tank Identification
11. Fuel Identification
12. 90% Ullage

B. The ability to perform both automatic and manually activated leak detection tests, in compliance with Federal EPA regulations 40 CFR Part 280, which includes a leak analysis report. This leak analysis report must indicate tanks failing a test, tanks passing a test and tanks invalidated from a test, as well as the reasons for the invalidation.

C. The ability to monitor up to 64 interstitial areas and/or containment sumps.

D. The ability to monitor up to 8 line leak detectors.

E. The ability to monitor up to 40 vapor sensors and/or groundwater sensors.

F. Computer formatted and printing terminal formatted reports.

G. Programmable automatic report times.

C. Magnetostrictive Probe with built in diagnostics:

1. Capable of utilizing standard gas and oil resistant wire between 14 AWG and 18 AWG for field connections.
2. No more than two wires between each probe and the control console.
3. Leak detection capability of 0.1 GPH.
4. Third-party certification according to the U.S. EPA's "Standard Test Procedure for Evaluating Leak Detection Methods: Automatic Tank Gauging Systems."
5. Third-party certification according to the U.S. EPA's "Volumetric Tank Tightness Testing Method."

D. Single-cable interstitial sensing elements capable of detecting fuel or water:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than two wires between each sump and/or interstitial sensor and the control console.

E. Single-cable vapor sensing element capable of detecting fuel and the presence of water:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than three wires between each vapor sensor and the control console.

F. Single-cable ground water element capable of detecting fuel and a dry well condition:

1. Capable of utilizing standard gas and oil resistant stranded wire.
2. No more than three wires between each ground water sensor and the control module.

G. Line leak detection:

1. Consists of a plug-in module for the console and hardware that is installed in the line from the submersible pump.
2. A single line-leak module is required for each line to be monitored.
3. The line is tested at actual pumping pressure.
4. Tests are performed automatically and on demand.

Operating Capabilities:

A. The ability to monitor inventory in up to eight tanks and produce a combination of automatic and manual reports which include the following information:

1. Fuel Volume
2. Fuel Weight
3. Water Height
4. Fuel Temperature
5. Ullage
6. Temperature compensated fuel volume
7. Last inventory increase amount
8. Last in-tank leak test result
9. Time and Date
10. Tank Identification
11. Fuel Identification
12. 90% Ullage

B. The ability to perform both automatic and manually activated leak detection tests, in compliance with Federal EPA regulations 40 CFR Part 280, which includes a leak analysis report. This leak analysis report must indicate tanks failing a test, tanks passing a test and tanks invalidated from a test, as well as the reasons for the invalidation.

C. The ability to monitor up to 64 interstitial areas and/or containment sumps.

D. The ability to monitor up to 8 line leak detectors.

E. The ability to monitor up to 40 vapor sensors and/or groundwater sensors.

F. Computer formatted and printing terminal formatted reports.

G. Programmable automatic report times.

TLS-350 SYSTEM PERIODIC MAINTENANCE CHECKLIST

Maintenance Operation	*When To Perform*	*What To Do*	✓
TLS-350 Console 8470XX-XXX	Yearly	1. Check printer for paper if equipped. 2. Check system status display. See Note 1. 3. Print out or check TLS inventory and verify to actual inventory. 4. Print out or check TLS setup values. 5. Verify battery backup is working. See Note 2.	
Cap "0" Probe 7842XX-XXX Cap "1" Probe 8472XX-XXX	Yearly	1. Run diagnostic check on probes and verify there are no open or shorted segments. 2. Inspect probe cables for any cracking or swelling and replace as necesary.	
Mag Probe 8473XX-XXX	Yearly*	1. Inspect probe cables for any cracking or swelling and replace as necessary. 2. Inspect floats and probe shaft for any residue build up. Clean with mineral spirits as necessary.	
Piping Sump Sensor 794390-205	Yearly	1. Inspect sensors to verify float moves freely.	

*Mag Probes used in products such as waste oil should be checked more frequently than yearly since products of this type can leave deposits on the probe shaft and float assemblies which may restrict the measurement capability of the probe.

Note 1: System status display should display "ALL FUNCTIONS NORMAL". If this is not displayed then refer to TLS-350 System Operating Instructions (Manual No. 576013-610)

Note 2: Before verifying that the battery backup is working, print out or record all setup values.

VEEDER-ROOT
Environmental Products

125 Powder Forest Drive, Post Office Box 2003, Simsbury, CT 06070-2003 TEL: (203) 651-2700, FAX: (203) 651-2750

AUSTRALIA: Cheltenham, Victoria • BRAZIL: Sao Paulo • CANADA: Etobicoke • FRANCE: Rungis • SCOTLAND: Dundee • WEST GERMANY: Neuhausen/Filder

TLS-350 UST MONITORING SYSTEM–SETUP PROCEDURES GUIDE

SETUP MODE

- **F** System Setup Data
  - **S** System Language
    - English
    - French
    - Spanish
  - **S** System Units
    - U.S.
    - Metric
  - **S** Date
  - **S** Time
  - **S** Station Header Line #1
  - **S** Station Header Line #2
  - **S** Station Header Line #3
  - **S** Station Header Line #4
  - **S** Shift #1 Start Time
  - **S** Shift #2 Start Time
  - **S** Shift #3 Start Time
  - **S** System Security Code
- **F** Communications Setup Data
  - **S** Comm. Board #1–Baud Rate
  - **S** Comm. Board #1–Parity
  - **S** Comm. Board #1–Stop Bit
  - **S** Comm. Board #1–Data Length
  - **S** Up to three Comm. Boards
  - **S** Auto-Transmit Message
    - Select Alarm Messages
    - Auto-Transmit Repeat Time
    - Auto-Transmit Delay Time
  - **S** External Communications Security Code
- **F** In-Tank Setup Data
  - **S** Tank Configuration–Module #1
  - **S** Tank Configuration–Module #2
  - **S** Product Label
  - **S** Product Code
  - **S** Coeffecient Of Thermal Expansion
  - **S** Tank Diameter
  - **S** Tank Profile
    - 1 Point (Steel Tank Only)
    - 4 Points (Fiberglass Tank Only)
    - 20 Points (Either Steel of Fiberglass)
  - **S** Full-Height Volume
  - **S** Additional X-Height Volumes
  - **S** High Water Alarm Limit
  - **S** Overfill Alarm Limit
  - **S** High Level Alarm Limit
  - **S** Low Level Limit
  - **S** Leak Alarm Limit
  - **S** Theft Alarm Limit
  - **S** Tank Tilt
  - **S** Manifolded Tank Setup
  - **S** Delivery Report Delay Time
- **F** In-Tank Auto Leak Test Setup Data
  - **S** Test Method
    - All Tanks
    - Single Tank(s)
  - **S** Test Frequency
    - On-Date
    - Annually
      - Month, Week, Day
    - Monthly
      - Week, Day
    - Weekly
      - Day
    - Daily
  - **S** Test Start Time
  - **S** Test Duration
- **F** Liquid Sensor Setup Data
  - **S** Sensor Configuration–Module #1
  - **S** Sensor Configuration–Additional Modules
  - **S** Sensor Locations
  - **S** Sensor Types
    - Veeder-Root
    - NO
    - NC
- **F** Vapor Sensor Setup Data
  - **S** Sensor Configuration–Module #1
  - **S** Sensor Configuration–Additional Modules
  - **S** Sensor Location
  - **S** Vapor Threshold
- **F** External Input Setup Data
  - **S** Input Configuration–Module #1
  - **S** Input Configuration–Additional Modules
  - **S** Input Name
  - **S** Input Type
    - Standard
    - Generator
      - All Tanks
      - Single Tank(s)
- **F** Output Relay Setup Data
  - **S** Relay Configuration–Module #1
  - **S** Relay Configuration–Additional Modules
  - **S** Relay Designation
  - **S** Relay Assignments (For Each Relay)
    - In-Tank Alarms
      - All Tanks
      - By Tank
    - Liquid Sensor Alarms
      - All Sensors
      - By Sensor
    - Vapor Sensor Alarms
      - All Sensors
      - By Sensor
    - External Inputs
      - All Inputs
      - By Input

LEGEND

- **F** = FUNCTION
- **S** = STEP
- **M** = MODE
- **!** = ALARM/TEST

See opposite side for TLS-350 Button Functions

VEEDER-ROOT
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The Leader in UST Monitoring Systems

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92-403-19
A-17m

TLS-350 UST MONITORING SYSTEM – OPERATING PROCEDURES GUIDE

OPERATING MODE

- [F] –In-Tank Inventory Data (by Tank)
  - [S] –Fuel Volume
  - [S] –Fuel Height
  - [S] –Water Height
  - [S] –Fuel Temperature
  - [S] –Ullage
  - [S] –Temperature-Compensated Fuel Volume
  - [S] –Last Inventory Increase Amount
  - [S] –Last In-Tank Leak Test Result
- [F] –Last-Shift Inventory (by Tank)
  - [S] –Beginning Inventory
  - [S] –Ending Inventory
  - [S] –Gross Change
- [F] –Liquid Sensor Status (by Sensor)
  - [S] –Sensor Status
    - Normal
    - Liquid Alarm
    - Sensor Out
- [F] –Vapor Sensor Status (by Sensor)
  - [S] –Sensor Status
    - Normal
    - Vapor Alarm
    - Water Alarm
    - Sensor Short
    - Sensor Open
- [F] –Start In-Tank Leak Test
  - [S] –Test Method
    - All Tanks
    - Single Tank
  - [S] –Test Control
    - All Tanks
      - Timed
      - Manual Stop
    - Single Tank
      - Tank #
      - Timed
      - Manual Stop
  - [S] –Test Duration(s)
    - All Tanks
    - Single Tank
  - [S] –Start Leak Test
- [F] –Stop In-Tank Leak Test
  - [S] –Stop Method
    - All Tanks
    - Single Tank
      - Tank #'s
  - [S] –Stop Leak Tests
- [F] –Test Output Relays (by Relay)
  - [T] –Activate Relay Output
  - [T] –De-Activate Relay Output

LEGEND

- [F] = FUNCTION
- [S] = STEP
- [M] = MODE
- [T] = ALARM / TEST

TLS-350 BUTTON FUNCTIONS

OPERATING BUTTONS

MODE–Press to select operating modes: Normal Mode, Setup Mode, Diagnostic Mode.

FUNCTION–Press to select functions within a MODE.

STEP–Press to advance through steps within a FUNCTION.

TANK,SENSOR–Press to advance by tank or sensor through setup procedures or displayed data.

CHANGE–Press to start an entry, revise existing data or change an entry.

ENTER–Press to complete a selection or enter data into a function. It is also used to start certain functions such as leak tests.

BACKUP–Press to move back through STEPS, FUNCTIONS, and MODES to access data or entries you have already passed in the normal progression.

PRINT–Press to generate inventory, delivery, leak test, status, setup, diagnostic and alarm history reports.

ALARM,TEST–Press to shut off audible alarm. Press to activate and de-activate output relays when OUTPUT RELAY TEST function is used.

ALPHANUMERIC BUTTONS

Buttons 0 through 9 provide both alpha and numeric capability by activating each character shown on the button with successive pushes of the button. If only a numeric character may be entered, the buttons have only a numeric function.

When either an alpha or numeric character may be entered, as in a station header, press the button once to enter an 'A'. Push the button again to change the character to a 'B', again to enter a 'C', and again to enter a '2'. When the correct selection is displayed, press the right-arrow (→) button.

The period (.) is on button 1.

The Zero button has a comma (,) plus two special characters:
0 = Space (no character)
= Dash

SPECIAL-FUNCTION BUTTONS

The Right-Arrow (→) button advances the cursor to the right when making alphanumeric entries and when selecting certain parameters such as module configurations. The decimal (•) is used in numeric entries as required.

The Left-Arrow (←) button has the same function as the right-arrow button. The +/- is used to identify a positive or negative Tank Tilt value.

Du Pont High Performance Coating Systems

	Condition	Exposure (A)	System No.	Type System(B)	Surface Preparation(C)	Primer(D)	DFT(E) (mils)	Page
Wood Floors	New or Previously Painted	Corrosive or Non-Corrosive	109	U-U-U	Power Sand to Bare Wood	RK-5406	1	30
			110	U-U-U		326	2	31
			111	E-U		25P	2	23
			112	E-U		823	2	23
			113	A-A		96	2	20
Masonry and Concrete (Above Grade Only) Poured Concrete Walls, Ceilings, and Dikes; Brick	New	Corrosive or Non-Corrosive	114	E-E-U	See Footnote (C) Below	25P or 823	1	23
			115	L-E-U		310	1	29
			116	E-E-E		25P or 823	1	23
			117	L-E-E		310	1	29
			118	E		—	—	—
	Previously Painted	Corrosive or Non-Corrosive	119	E-U	SSPC-SP-1 Solvent Cleaning, SP-2 Hand Tool Cleaning, or SP-7 Brush-Off Blast Cleaning	25P or 823	2	23
			120	L-U		310	2	29
			121	E-E		25P or 823	2	23
			122	L-E		310	2	29
			123	A-A		96	2	20
			124	L-L		310	2	29
Concrete Block (Above Grade Only) Walls, Dikes, etc.	New or Unpainted	Corrosive or Non-Corrosive	125	E-E-U	See Footnote (C) Below	25P	2	23
			126	L-E-U		300P or 389-Y-268	—	29
			127	L-E-E		300P or 389-Y-268	—	29
			128	L-U		300P or 389-Y-268	—	29
			129	L-E		300P or 389-Y-268	—	29
			130	L-A		300P or 389-Y-268	—	29
			131	L-L		300P or 389-Y-268	—	29

Page 1

Footnotes:

(A) Exposure: Corrosive Environments are Subject to Acid, Alkali, Solvent, Salt, and Humidity Exposures. Non-Corrosive Environments are Subject to the Non-Chemical Situations Including Weather, Sunlight, Wind, and Rain Exposures.

(B) Type System: A = Alkyd, E = Epoxy, U = Urethane, IZ = Inorganic Zinc, OZ = Organic Zinc, L = Latex, AC = Acrylic, H = High Temperature Coating

(C) Surface Preparation: See Section On Surface Preparation.

(D) Check Compatibility of Primer Prior to Applying Coating to Existing Finish.

(E) DFT: Suggested Dry Film Thickness in mils.

(F) 3/5: 3 mils Required Indoors/5 mils Required Outdoors

Performance Features

Mid Coat	DFT(E) (mils)	Page	Finish Coat	DFT(E) (mils)	Page	Corrosion Resistance	Resistance to Weathering	Gloss Level	Gloss and Color Retention in Sunlight	Suitability for Field Application	Suitability for Shop Application	Dry-to-Recoat Time (for Primer)	Tolerance to Variation in Surface Preparation	Cold-Weather Application Capability
RK-5406	1	30	RK-5406	1	30	NA	NR	H	NR	E	NA	VQ	G	Y
RK-5406	1	30	RK-5406	1	30	NA	NR	H	NR	E	NA	Q	VG	Y
–	–	–	326	2	31	NA	E	H	E	E	NA	VQ	VG	Y
–	–	–	326	2	31	NA	E	H	E	E	NA	Q	VG	N
–	–	–	96	2	20	NA	VG	H/S	VG	E	NA	Q	E	Y
Page 2														
* 25P or 823	2	23	326 or 333	2	31, 32	NA	E	H	E	E	NA	Q	VG	Y *
25P or 823	2	23	326 or 333	2	31, 32	NA	VG	H	E	E	NA	VQ	E	N
25P or 823	2	23	823 or 20P	2	22, 23	NA	E	H	F	E	NA	Q	VG	N
25P or 823	2	23	823 or 20P	2	22, 23	NA	VG	H	F	E	NA	VQ	E	N
–	–	–	25P	6	23	NA	E	S	F	E	NA	NA	E	Y
–	–	–	326 or 333	2	31, 32	NA	E	H	E	E	NA	VQ	E	Y
–	–	–	326 or 333	2	31, 32	NA	VG	H	E	E	NA	VQ	VG	N
–	–	–	823 or 20P	2	22, 23	NA	E	H	F	E	NA	Q	E	N
–	–	–	823 or 20P	2	22, 23	NA	VG	H	F	E	NA	Q	VG	N
–	–	–	96 or 30P	2	19, 20	NA	VG	H/S	G	E	NA	O	VG	N
–	–	–	310	2	29	NA	VG	F	VG	E	NA	Q	VG	N
25P or 823	2	23	326 or 333	2	31, 32	NA	E	H	E	E	NA	VQ	VG	Y
25P or 823	2	23	326 or 333	2	31, 32	NA	E	H	E	E	NA	VQ	VG	N
25P or 823	2	23	823 or 20P	2	22, 23	NA	VG	H	F	E	NA	VQ	VG	N
–	–	–	326 or 333	2	31, 32	NA	E	H	E	E	NA	VQ	VG	N
–	–	–	823 or 20P	2	22, 23	NA	VG	H	F	E	NA	VQ	VG	N
–	–	–	96 or 30P	2	19, 20	NA	VG	H/S	VG	E	NA	VQ	VG	N
–	–	–	310	2	29	NA	G	F	G	E	NA	VQ	VG	N

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Key:

E — Excellent
VG — Very Good
G — Good
F — Fair
P — Poor
H — High
S — Satin
F — Flat

Q — Quick — Less Than 8 Hours
O — Overnight or More
Y — Yes
N — No
NA — Not Applicable
NR — Not Recommended

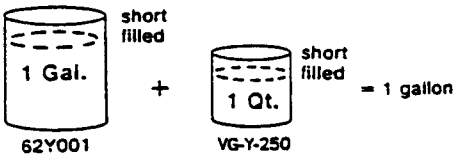
Polyurethanes (continued)

Imron® 62 Polyurethane Primer

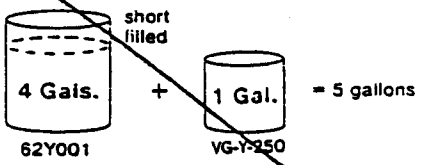
A two package, aromatic, oil-free polyurethane primer that is easy to apply. This high build, extremely durable primer provides excellent edge coverage on blasted, hand tool and power tool cleaned surfaces. Also suggested as an intermediate coat over inorganic zinc to minimize bubbling and a primer over galvanized steel or aluminum. Imron® 62 can be topcoated with Imron® Polyurethane Enamels and Corlar® Epoxy Enamels, and can be applied over most old coatings in good condition without lifting. Not recommended for use under alkyd or vinyl coatings or in high abrasion areas. Activated with VG-Y-250: mixed one part activator to four parts 62 primer.

Color:	Dark Brown
Volume Solids:	50% (mixed)
Suggested Film Thickness:	5 mils dry, 10 mils wet
Maximum Service Temperature:	200°F (93°C)
Theoretical Coverage Per Gallon:	802 Sq. Ft. @ 1 mil, 160 Sq. Ft. @ 5 mils
Cure Time at Recommended Thickness:	(At 77°F (25°C) and 50% R.H.)
	Hours
To Touch	4
To Handle	24
To Recoat	4-16
Hard Dry	16
Reduction Solvents:	Brush/Roll Y-32035 (Normal and cool conditions) 3979S (Hot and/or windy conditions) Spray Y-32035 (Normal and cool conditions) 3979S (Hot and/or windy conditions)
Surface Preparation:	Commercial blast cleaning to an SSPC-SP-6 is optimum. If commercial blast cleaning is not possible, hand or power tool cleaning (SSPC-SP-2 or SSPC-SP-3) is acceptable.
Application Equipment:	Brush, roll, or spray.
VOC:	Less than 4.2 lb/gal
Mix Ratio:	4 parts 62-Y-001 to 1 part VG-Y-250 activator

One-Gallon Cans



Five-Gallon Cans



Imron® 326 Polyurethane Enamels

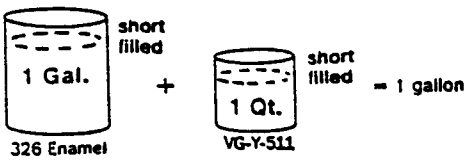
A polyurethane enamel base to be mixed with VG-Y-511 Activator for use over Imron,® Corlar,® 25P, or Dulux® primers and enamels. May also be applied directly over itself without special surface preparation or over old coatings (including alkyds) that are in good condition. Designed for areas requiring coatings with a high degree of chemical, solvent and abrasion resistance as well as long lasting appearance. May be used for continuous operating temperatures up to 200°F (93°C).

Imron® is suggested for use in harsh chemical environments such as chemical plants, oil refineries, pulp and paper mills, power plants, offshore structures, and marine. U.S.D.A. certified in some colors. Cure can be accelerated by adding VH-Y-691 at the rate of 4 oz. per mixed gallon.

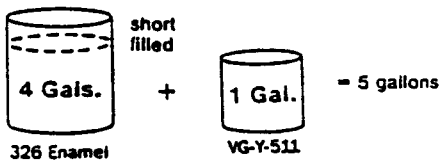
10P (11P) is the custom color version of 326 line Imron.®

Color:	See color card
Volume Solids:	38% (mixed)
Suggested Film Thickness:	2 mils dry, 5 mils wet
Maximum Service Temperature:	200°F (93°C)
Theoretical Coverage Per Gallon:	610 Sq. Ft. @ 1 mil, 305 Sq. Ft. @ 2 mils
Cure Time at Recommended Thickness:	(At 77°F (25°C) and 50% R.H.)
	Hours
To Touch	6
To Handle	48
To Recoat	16
Full Cure	7 Days
Reduction Solvents:	Brush/Roll Y-32035 (Normal and cool conditions) 3979S or Y-32401 (Hot and/or windy conditions) Spray Y-32035 (Normal and cool conditions) 3979S or Y-32401 (Hot and/or windy conditions)
Surface Preparation:	Prime bare spots with appropriate primer. Surfaces should have all loose paint removed and edges feathered.
Application Equipment:	Brush, roll, or spray.
VOC:	Greater than 4.2 lb/gal
Mix Ratio:	4 parts 326 line enamel to 1 part VG-Y-511 activator

One-Gallon Cans



Five-Gallon Cans



Zero V.O.C. HorseySet.WDE has set a new standard in concrete curing and immediate protection.

One of the most controversial issues facing the industry today is the presence of volatile organic compounds (solvents and thinners) in paints and protective coatings.

Because of the growing concern over their impact on health and the environment, many regulatory agencies are limiting the levels of V.O.C.'s in these products.

However, the question is where do you find a formula with zero V.O.C.'s that will effectively protect concrete from spalling, scaling and potential rebar damage?

The answer is HorseySet.WDE.

HorseySet.WDE is the Concrete Cure and Immediate Protection System formulated to meet the V.O.C. issue. In fact, it contains absolutely no V.O.C.'s at all. Yet it cures concrete exceptionally well — plus effectively seals out water, chlorides, and other chemicals from concrete surfaces on parking decks, bridge decks and many other areas.

A unique water-dispersed epoxy that's virtually odorless and environmentally acceptable.

Unlike conventional curing agents and sealers, HorseySet.WDE is water dispersed — not solvent-based. Therefore, it poses little or no threat to the environment or the applicator.

But aside from being environmentally acceptable, HorseySet.WDE offers many other advantages.

HorseySet.WDE cures and protects in one step.

HorseySet.WDE doubles as both a concrete curing agent and protection system in one, so there's no need to return to a project days later to apply a sealer — which translates into money and time saved for the contractor and the owner.

Applied to freshly-poured concrete, HorseySet.WDE quickly cures to an impermeable film. Water for hydration is locked in to promote superior curing — which, in turn, reduces shrinkage cracks and virtually eliminates surface powdering. In addition, strength, permeability and impact/abrasion resistance are significantly improved.

HorseySet.WDE protects concrete by penetrating the surface to create a chloride and freeze/thaw resistant barrier. The protection and penetrating features of HorseySet.WDE are equally effective on existing concrete surfaces as well as new applications.

Easy To Use.

HorseySet. WDE is easy to apply with conventional equipment. An airless spray unit is required for application to new concrete. For existing concrete, a brush, roller or squeegee can also be used.

HorseySet.WDE also cleans up easily with soap and water — which eliminates the need for potentially dangerous solvents at the job site.

Safe on the jobsite.

And, because HorseySet.WDE is a water-dispersed epoxy, it's completely non-flammable.

Unlike solvent-based compounds, HorseySet.WDE is not a fire or explosion hazard and may help reduce insurance premiums.

GENERAL NOTES

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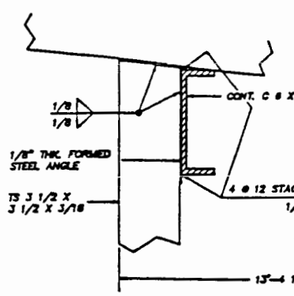

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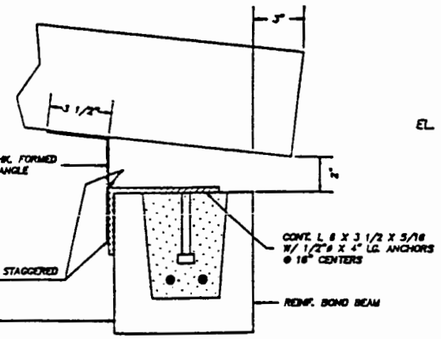
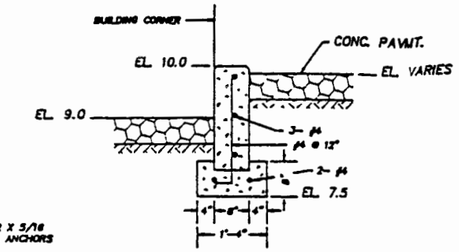
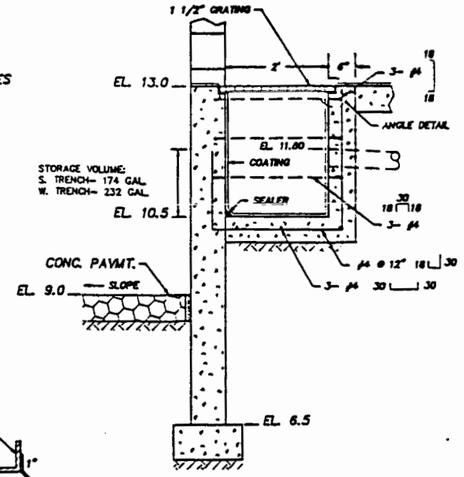
3" = 1'



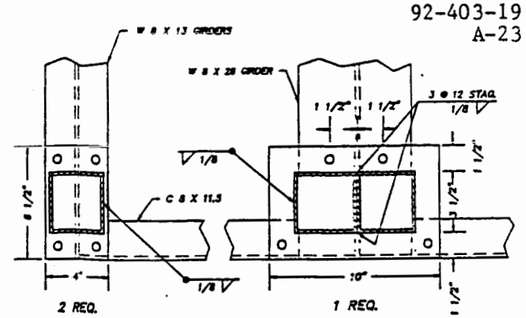
DETAIL 2
3" = 1'



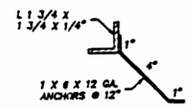
SECTION 'C'
3/4" = 1'
RETAINING WALL SECTION



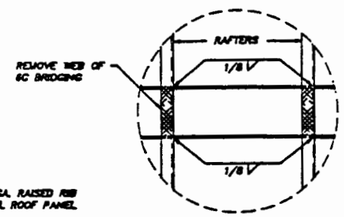
SECTION B-B
3/4" = 1'



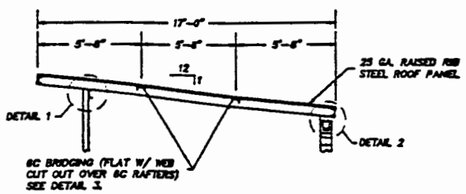
TS COLUMN BASE PLATES
3" = 1'
TS 3 1/2 X 3 1/2 X 3/16"
3/16" PLATE
1/2"ø BOLTS, OR WELDED



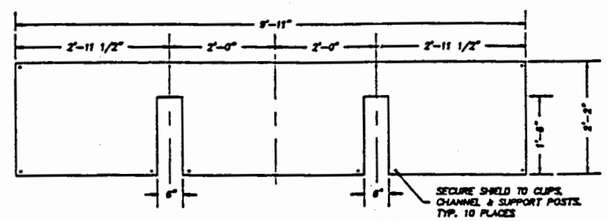
ANGLE DETAIL
3" = 1'
TYP. GRATING SEAT



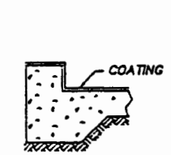
DETAIL 3
1 1/2" = 1'



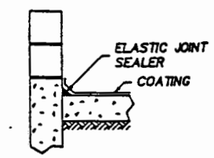
SECTION D-D
1/4" = 1'
INSTALL MACHINE SCREWS & OTHER ATTACHMENTS AS NEEDED TO PROVIDE A COMPLETE, SECURE ROOF SYSTEM.



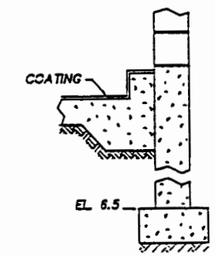
SECURITY WEATHER SHIELD
2 REQ.
26 GA. GALV. (& PAINTED) SHEET METAL



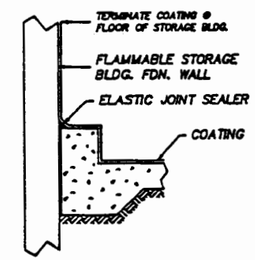
RETURN & FILL SHELTER
TYPICAL SECTION AT CURB



FLAMMABLE STORAGE BLDG.
TYPICAL SECTION AT WALL

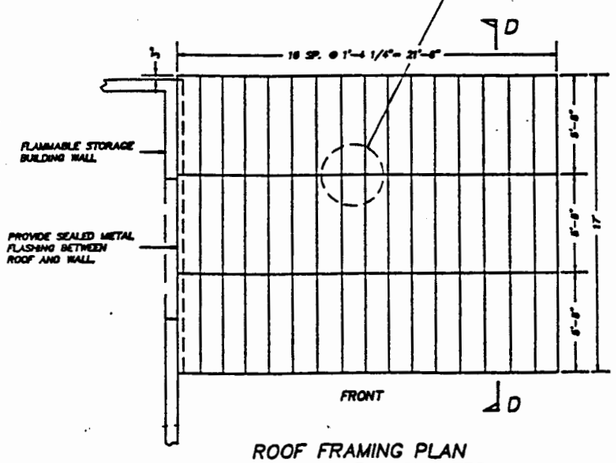


RETURN & FILL SHELTER
TYPICAL SECTION AT WALL

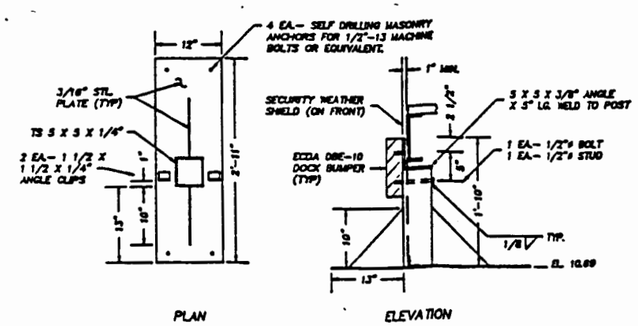


RETURN & FILL SHELTER
(REF. SECTION 'B', DWG. 6003)

TYPICAL COATING DETAILS
N.T.S.
SEE DWG. NO. 0001 FOR SPECS. AND DETAILS



ROOF FRAMING PLAN
RETURN & FILL SHELTER
1/4" = 1'
ALL MEMBERS ARE 6" X 1 1/2" X 16 GA. COLD ROLLED CHANNEL



TYP. TRUCK BUMPER POST
1" = 1'
4 REQ.

NO.	DESCRIPTION	BY	CHK	APPR	DATE
01	ADDED DETAIL 3	JFG	RCS	JWC	11/13/91
0	RELEASED FOR REGULATORY REVIEW & BIDDING	JFG	RCS	JWC	10/25/91

REVISIONS

TITLE
MISC. STRUCTURAL DETAILS

SAFETY-KLEEN CORP.
777 BIG TIMBER ROAD ELGIN, ILLINOIS 60123 PHONE 708-697-8460

SCALE NOTED	BY J.F.G.	CHKD	P.E. APPR	OP. APPR	DATE 10/25/91

ALBUQUERQUE, NM

STD-DWG-REV NO. 700801-7000-01 SH. 3 OF 8

GENERAL NOTES

THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORPORATION. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.

92-403-19
A-24

GENERAL NOTES

1. WHERE CONFLICTS OCCUR BETWEEN THE CODES, REGULATIONS, INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATIONS SPECIFIED FOR THIS PROJECT, THE MOST RESTRICTIVE PROVISIONS SHALL APPLY UNLESS OTHERWISE APPROVED IN WRITING BY SAFETY-KLEEN'S PROJECT MANAGER. WHERE CONFLICTS OCCUR IN THESE DRAWINGS BETWEEN DRAWINGS AND NOTES, NOTES SHALL GOVERN.
2. ALL ITEMS REFERENCED BY A SAFETY-KLEEN PART NUMBER SHALL BE FURNISHED BY SAFETY-KLEEN AND INSTALLED BY CONTRACTOR.
3. CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL LOCAL AND STATE PERMITS AND ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND SAFETY CODES. ALL WORK SHALL BE PERFORMED IN A PROFESSIONAL AND TIMELY MANNER. SAFETY-KLEEN SHALL BE RESPONSIBLE FOR ALL ENVIRONMENTAL OPERATING PERMITS.
4. EACH SUB-CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES AND PERMITS OBTAINED BY OR UNDER THE DIRECTION OF THE CONTRACTOR.
5. CERTIFICATE OF INSURANCE SHALL BE REQUIRED PRIOR TO COMMENCEMENT OF WORK (LIABILITY, WORKMAN'S COMPENSATION, ETC.).
6. CONTRACTOR SHALL VISIT SITE TO VERIFY CONDITIONS TO BE CONSIDERED IN THE QUOTATION FOR WORK.
7. ALL WORK IS TO BE COORDINATED WITH AND APPROVED BY SAFETY-KLEEN PROJECT MANAGER.
8. SEE INDIVIDUAL DRAWINGS AND MASONRY NOTES SECTION FOR FIRE PROTECTION REQUIREMENTS.
9. SEE DRAWING NO. 8003 FOR A LIST OF SAFETY-KLEEN DRAWINGS THAT ARE INCORPORATED INTO AND MADE A PART OF THIS DESIGN BY REFERENCE. SHOULD THESE DRAWINGS CONFLICT WITH SAFETY-KLEEN DRAWINGS, THESE DRAWINGS SHALL GOVERN.
10. CONTRACTOR SHALL REPLACE OR REPAIR, AT NO ADDITIONAL COST, ANY WORK FOUND TO BE DEFECTIVE.
11. THE OWNER RESERVES THE RIGHT TO MAKE ALL INSPECTIONS AND TESTS HE DEEMS NECESSARY, REGARDLESS OF WHETHER SPECIFIED ELSEWHERE. CONTRACTOR SHALL FURNISH ANY NECESSARY LABOR OR ACCESS TO ASSIST THE DESIGNATED TESTING AGENCY IN OBTAINING AND HANDLING SAMPLES AT THE PROJECT OR OTHER SOURCES OF MATERIALS.
12. CONTRACTOR SHALL SUBMIT FOR APPROVAL MANUFACTURER'S CATALOG CUTS FOR THE FOLLOWING ITEMS: EXHAUST FANS, MAJOR ELECTRICAL SYSTEM COMPONENTS (SEE DRAWINGS 8000 AND 8001), STAIR HANDRAILS, ROOF TRUSSES, LINTELS, SWINGING DOORS AND HARDWARE, ROLLUP DOORS, ROOF PANELS, CONCRETE COATINGS, CRACK SEALANTS, CONCRETE MASONRY UNITS, SECONDARY CONTAINMENT PIPING, AND ALL SUBSTITUTES FOR MATERIALS SPECIFIED HEREIN AS "OR APPROVED EQUALS".
13. IT IS THE INTENT OF THESE DOCUMENTS THAT THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL, EQUIPMENT, TOOLS FOR THE COMPLETE INSTALLATION OF ALL WORK SHOWN ON THE PLANS AND/OR DESCRIBED HEREIN, INCLUDING ALL DEVICES, CONTROLS AND APPURTENANCES REQUIRED TO SET NEW SYSTEMS INTO OPERATION, EXCEPT AS NOTED AT NOTE 2 ABOVE.
14. SHOULD CONDITIONS NECESSITATE ANY REARRANGEMENTS, SUBMIT SHOP DRAWINGS SHOWING THE CHANGES BEFORE PROCEEDING WITH THE WORK. IF SUCH CHANGES ARE APPROVED BY SAFETY-KLEEN, THEY SHALL BECOME A PART OF THE CONTRACT AFTER THEIR APPROVAL.

SITEWORK

1. PREPARATION OF SUBGRADE:
   - A. ALL VEGETATION, GRAVEL, TRASH AND DEBRIS IN THE AREA TO RECEIVE CONCRETE SHALL BE REMOVED.
   - B. THE CONTRACTOR SHALL REMOVE ANY MUCK AND SPONGY OR UNSTABLE MATERIALS WHICH WILL NOT CONSOLIDATE, AS DETERMINED BY THE OWNER, AND REFILL THE SPACE WITH ACCEPTABLE MATERIAL, COMPACTED AS DESCRIBED BELOW.
   - C. THE AREA TO RECEIVE CONCRETE SHALL BE ROUGH GRADED, AS CLOSE AS POSSIBLE, TO THE LINES AND GRADES SHOWN ON THE PLAN, ALLOWING FOR THICKNESS OF THE CONCRETE SLAB AND AGGREGATE BASE.
   - D. THE TOP 6" OF NATURAL GROUND AND CUT SECTIONS TO BE COMPACTED SHALL BE SCARIFIED, WETTED OR DRIED TO PRODUCE SUBGRADE WITHIN 2% OPTIMUM MOISTURE CONTENT, AND COMPACTED TO A DENSITY OF NOT LESS THAN 98% OF MAXIMUM LABORATORY DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D698 (STANDARD PROCTOR COMPACTION TEST).
   - E. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL. MINIMUM SOIL BEARING PRESSURE TO BE 2,500 PSF.
2. COMPACTED FILLS AND BACKFILLS:
   - A. FILL AND BACKFILL MATERIAL NEEDED TO BRING THE SUBGRADE UP TO THE NECESSARY CONTOURS SHALL BE A BANK-RUN SAND, OR OTHER SUITABLE MATERIAL, FREE FROM CLAY LUMPS, RUBBISH, ORGANIC MATERIAL, OR OTHER DELETERIOUS SUBSTANCES. NOT MORE THAN 10% BY WEIGHT SHALL PASS THE 200 MESH SIEVE. THE OWNER SHALL BE THE JUDGE OF THE SUITABILITY OR UNSUITABILITY OF MATERIALS FOR USE IN FILLS AND BACKFILLS. SUPPLIER'S LABORATORY ANALYSIS OF BACKFILL MATERIAL SHALL BE FURNISHED FOR OWNERS APPROVAL.
   - B. FILL AND BACKFILL SHALL BE PLACED IN 6" LIFTS (MAX. LOOSE MATERIAL THICKNESS), WETTED OR DRIED TO PRODUCE BACKFILL WITHIN 2% OPTIMUM MOISTURE CONTENT, AND COMPACTED TO A DENSITY OF NOT LESS THAN 95% OF STANDARD PROCTOR DENSITY (ASTM D698) FOR CONCRETE PAVING AREAS, AND A DENSITY OF NOT LESS THAN 98% FOR AREAS UNDER FLOOR SLABS.
   - C. SUBGRADE/FILL SHALL BE FINE GRADED TO PRODUCE THE DRAINAGE SHOWN ON THE PLAN.
   - D. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXCAVATED MATERIAL NOT SUITED OR REQUIRED FOR BACKFILL.

CONCRETE CONSTRUCTION

1. MATERIALS, MIXING, PLACEMENT, FINISHING TOLERANCES AND ALL OTHER UNSPECIFIED DETAILS SHALL BE IN ACCORDANCE WITH ACI 318 – 89.
2. THE MOISTURE BARRIER SHALL BE PLACED JUST PRIOR TO THE INSTALLATION OF THE REBAR. MOISTURE BARRIER SHALL BE 10 MIL POLYETHYLENE SHEETING. OVERLAP SHEETS AT JOINTS A MINIMUM OF 2 FEET AND TURN UP AT EDGES 2". TAKE CARE TO PREVENT DAMAGE TO BARRIER DURING INSTALLATION OF REBAR AND CONCRETE.
3. REINFORCING STEEL SHALL BE ASTM A-615, GRADE 60. BAR SUPPORTS SHALL BE PLASTIC OR GALVANIZED CHAIRS. SPLICES COVERAGE, PLACING AND OTHER DETAILS SHALL BE IN ACCORDANCE WITH ACI 318 – 89.
4. FOR CONCRETE PAVING, CONCRETE SHALL BE A MINIMUM OF 3000 PSI AT 28 DAYS. FOR STRUCTURAL CONCRETE, CONCRETE SHALL BE A MINIMUM OF 4000 PSI AT 28 DAYS. CONCRETE TO RECEIVE COATING MUST NOT CONTAIN ANY ACCELERATORS OR CURING COMPOUNDS. COARSE AGGREGATE SHALL CONFORM TO #57, ASTM C-33.
5. CURING OF FLOOR SLAB SHALL BE BY PONDING OR CONTINUOUS SPRINKLING, OR BY THE APPLICATION OF ABSORPTIVE MATS OR FABRIC KEPT CONTINUOUSLY WET. CURING TIME SHALL BE A MINIMUM OF 4 DAYS.
6. CONCRETE FLOORS SHALL HAVE A CLASS 'A' FLOATED FINISH AND "PLANENESS OF SURFACE" SHALL BE CHECKED AND CORRECTED AS NECESSARY.
7. AT FLOOR SLAB/WALLS, EXPANSION JOINT FILLER SHALL BE FOR THE FULL DEPTH OF THE CONCRETE. NO JOINT SEALER IS TO BE USED, U.N.O. PREMOLDED EXPANSION JOINT FILLER SHALL CONFORM TO ONE OF THE FOLLOWING:
   - (A) " SPECIFICATIONS FOR PREFORMED EXPANSION JOINT FILLERS FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION (NONEXTRUDING AND RESILIENT BITUMINOUS TYPES)" (ASTM D1751).
   - (B) " SPECIFICATIONS FOR PREMOLDED EXPANSION JOINT FILLERS FOR CONCRETE PAVING AND STRUCTURAL CONSTRUCTION (NONEXTRUDING AND RESILIENT NONBITUMINOUS TYPES)" (ASTM D1752)

CONCRETE COATING

GENERAL:

1. ALL GUIDELINES AND INFORMATION AS PRESENTED IN THE MATERIAL'S TECHNICAL BULLETIN AND ALL MANUFACTURER'S RECOMMENDATIONS CONCERNING APPLICATION TECHNIQUES SHALL BE STRICTLY FOLLOWED.
2. THE CONTRACTOR SHALL SUBMIT A WRITTEN APPLICATION PLAN DESCRIBING, IN DETAIL, THE PROCEDURES, METHODS AND MATERIALS TO BE USED IN PREPARING THE CONCRETE SURFACES AND APPLYING THE COATING.

SURFACE PREPARATION:

1. ALL SURFACES TO BE COATED SHALL BE ABRASIVE BLASTED (OTHER METHODS, SUCH AS ACID ETCHING AND NEUTRALIZING MAY BE USED, CONSULT WITH COATING REPRESENTATIVE) TO REMOVE ALL SURFACE LAITANCE, DIRT, LOOSE OR UNSOUND MATERIAL, OIL, GREASE, OR OTHER CONTAMINANTS.
2. ALL CRACKS AND CAVITIES SHALL BE CHIPPED OR GROUND SO THAT THEIR SIDES FORM APPROXIMATELY A 45-DEGREE ANGLE TO THE EXPOSED SURFACE. CHIPPED OR GROUND AREAS SHALL BE RE-BLASTED TO REMOVE ANY NEWLY EXPOSED UNSOUND MATERIAL. THE FINISHED CONCRETE SURFACE SHALL BE SMOOTHER THAN THE INTENDED APPLICATION THICKNESS OF THE COATING.
3. ALL JOINT CRACKS, CAVITIES AND VOIDS IN CONCRETE SHALL BE FILLED USING AN APPROVED EPOXY PUTTY, SUCH AS GULF COAST PAINT CF-620, OR APPROVED EQUAL. ALL MANUFACTURER'S RECOMMENDATIONS CONCERNING SURFACE PREPARATION, USE OF PRIMER, TEMPERATURE CONSIDERATIONS, MIXING AND APPLICATION, ETC. SHALL BE STRICTLY FOLLOWED. AT TEMPERATURE CRACKS, WORK PUTTY APPROXIMATELY 1/2" INTO THE CRACK PRIOR TO FILLING 45-DEGREE ANGLE VOID. IF ANY CRACKS GREATER THAN 1/8" WIDE ARE FOUND, OWNER SHALL BE CONSULTED AS TO METHOD OF REPAIR PRIOR TO PROCEEDING WITH COATING APPLICATION.
4. ALL WELDS SHOULD BE GROUND TO REMOVE ALL EXCESS SLAG, SHARP EDGES, LAPS, UNDERCUTS AND OTHER SURFACE IRREGULARITIES. RELATIVELY SMOOTH, RIPPLE FINISHED WELDS ARE ACCEPTABLE.
5. TO PREVENT OXIDATION AND RUST, BLAST CLEAN ONLY AS MUCH METAL AS WILL BE COATED IN THE SAME DAY. THE CONTRACTOR SHALL MAKE EVERY REASONABLE EFFORT TO CLEAN THE BACK OF METAL ITEMS EMBEDDED IN CONCRETE (WHERE THERE ARE VOIDS TO RESTORE). HOWEVER, DUE TO WORKING ROOM LIMITATIONS, A "NEAR WHITE METAL FINISH" SHALL NOT BE REQUIRED ON THE BACK OF EMBEDDED ITEMS.
6. IT IS THE INTENTION OF THESE SPECIFICATIONS TO PROVIDE AN EVEN, STRAIGHT SURFACE, FREE FROM SURFACE DEFECTS AND IRREGULARITIES, FOR THE APPLICATION OF THE EPOXY COATING.

APPLICATION:

1. NEW CONCRETE SHALL BE IN PLACE FOR A MINIMUM OF 45 DAYS (OR PER COATING MANUFACTURER'S RECOMMENDATIONS, IF LONGER) PRIOR TO PLACEMENT OF COATING.
2. BASE COAT SHALL BE DUPONT 25-P EPOXY SHALE GRAY (OR APPROVED EQUAL), 5 MILS D.F.T. SURFACE COAT SHALL BE DUPONT IMRON SHALE GRAY (OR APPROVED EQUAL), 2 MILS D.F.T. THE SURFACE COAT SHALL BE APPLIED WITHIN 48 HOURS OF APPLICATION OF BASE COAT.
3. WHERE CALLED FOR ON THE DRAWINGS, SCRIM CLOTH SHALL BE APPLIED BETWEEN COATS AND SHALL CONTINUE OVER THE TOP WITH THE COATING, 2". WHERE NEEDED, INSTALL MORE THAN ONE WIDTH OF CLOTH TO COVER CRACK WHILE MAINTAINING VERTICAL ALIGNMENT OF CLOTH.

PAINTING

1. MASONRY BLOCK WALLS: ONE COAT S.W. BLOCK FILLER. TWO COATS S.W. OIL BASE ENAMEL. COLOR – LIGHT TAN TO MATCH EXISTING BUILDINGS ON SITE.
2. METAL DOORS AND FRAMES AND ROOF FLASHING: TWO COATS S.W. OIL ENAMEL. COLOR TO MATCH TRIM ON EXISTING BUILDINGS ON SITE.
3. ALL MISCELLANEOUS STEEL ITEMS: ONE COAT S.W. STEEL PRIMER, TWO COATS S.W. INDUSTRIAL ENAMEL. FACTORY COATS MAY BE TOUCHED-UP.

INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS

1. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS APPLICABLE TO THIS PROJECT, INCLUDING THE STATE OF NEW MEXICO REGULATIONS FOR UNDERGROUND STORAGE TANKS. TANK INSTALLER MUST BE A CERTIFIED INSTALLER UNDER PART XIV OF THE LATTER REGULATIONS.
2. THE CONTRACTOR SHALL SUBMIT A RECOMMENDED SCHEDULE OF INSPECTIONS AND SYSTEM TESTS BEFORE BEGINNING THIS WORK.
3. SOLVENT STORAGE TANKS TO BE FURNISHED BY SAFETY-KLEEN AND INSTALLED BY CONTRACTOR. THESE 12,000 GALLON GLASTEEL TANKS, MANUFACTURED BY MODERN WELDING CO., INC. NEWARK, OH, ARE DOUBLE-WALL FRP-CLAD CARBON STEEL AND ARE FABRICATED TO THE STANDARDS OF UL-58 "STEEL UNDERGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS. SEE S-K DRAWINGS STD-1009, 1010, AND 1011. UNLESS OTHERWISE NOTED, ALL TANK SYSTEM COMPONENTS SHOWN ON THESE DRAWINGS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
4. THE FIRE WATER CONTAINMENT TANK SHALL BE SINGLE WALL CARBON STEEL, CLAD WITH DIELECTRIC COATING, WITH SACRIFICIAL ANODES, MANUFACTURED TO THE STANDARDS OF STI-P3 OF THE STEEL TANK INSTITUTE, AND SHALL HAVE A MINIMUM CAPACITY OF 8,000 GALLONS. TANK SHALL HAVE A 24" MANWAY AND FOUR NOZZLES AS FOLLOWS: ONE 3" FOR VENT PIPE, ONE FOR 6" FOR FILL LINE, AND TWO 4" BLIND SPARES. THE CONTRACTOR SHALL SUBMIT FOR APPROVAL SHOP DRAWINGS OF THE PROPOSED TANK AND MANUFACTURER'S DATA DOCUMENTING ITS FABRICATION AND THE REQUIRED MANUFACTURING AND PRODUCTION TESTS. CONTRACTOR SHALL CHECK SACRIFICIAL ANODES FOR PROPER CONNECTIONS PRIOR TO INSTALLATION.
5. CONTRACTOR MAY, WITH SAFETY-KLEEN'S CONSENT, SUBSTITUTE A FIREWATER CONTAINMENT TANK CONSTRUCTED OF A MATERIAL OTHER THAN CARBON STEEL, PROVIDED SAID ALTERNATE TANK IS MANUFACTURED TO A RECOGNIZED NATIONAL STANDARD AND THE CONTRACTOR SUBMITS DOCUMENTATION OF ITS MANUFACTURE, MANUFACTURING AND PRODUCTION TESTING, INTERNAL COMPATIBILITY WITH THE POTENTIAL FIREWATER CONTAINMENTS, AND PROTECTION AGAINST BUOYANCY AND EXTERNAL CORROSION.
6. FOR TANK INSTALLATION, CONTRACTOR SHALL FOLLOW ARTICLE 79, DIVISION VI OF THE UNIFORM FIRE CODE, 1991 EDITION; PEI/RP100-90 "RECOMMENDED PRACTICES FOR INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS", AND MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION GUIDANCE NOT COVERED IN THE ABOVE STANDARDS OR THESE CONSTRUCTION DOCUMENTS.
7. THE CARBON STEEL TANKS ARE SHIPPED BY THE MANUFACTURER COATED WITH A NON-METALLIC COATING SO THAT NO METAL IS EXPOSED AND TANKS ARE ISOLATED FROM ELECTRICAL CURRENTS. CONTRACTOR SHALL NOT INSTALL THESE TANKS UNTIL AN INITIAL INSPECTION OF THIS COATING HAS BEEN CONDUCTED. SPECIAL HANDLING OF THESE TANKS MUST BE OBSERVED BY THE CONTRACTOR DURING INSTALLATION TO INSURE THAT THE COATING IS NOT DAMAGED.
8. AFTER BEING INSTALLED BUT BEFORE BEING COVERED, TANKS SHALL PASS THE TIGHTNESS TEST REQUIRED BY UFC-91, SECTION 79.605 OR MANUFACTURER'S RECOMMENDATIONS, IF STRICTER.
9. UPON COMPLETION OF INSTALLATION, TANK OPERATIONAL SYSTEM TESTS SHALL BE CONDUCTED BY THE CONTRACTOR PER RECOMMENDATIONS OF MANUFACTURERS OF TANKS, PUMPS, HIGH LEVEL ALARM SYSTEM, LEAK DETECTION SYSTEM, AND OTHER TANK SYSTEM COMPONENTS.

MECHANICAL

1. CLEAN AND USED SOLVENT STORAGE TANKS TO BE PIPED AND INSTALLED PER SAFETY-KLEEN STANDARD DRAWINGS STD-1009, 1010 AND 1011 UNLESS OTHERWISE NOTED. SWING JOINTS AS SHOWN ON STANDARD DRAWINGS SHALL NOT BE PERMITTED. SECONDARY CONTAINMENT PIPING SHALL BE FURNISHED FOR SOLVENT PIPING OUTSIDE OF OTHER SECONDARY CONTAINMENT AREAS. S/C PIPING AND FITTINGS SHALL BE THAT MANUFACTURED BY TOTAL CONTAINMENT, INC. EXTON, PA. S/C PIPING SHALL SLOPE TOWARD THE TANKS AS SPECIFIED ON DRAWING STD-1009. BEFORE BEING COVERED, SECONDARY CONTAINMENT PIPING SHALL PASS THE TIGHTNESS TEST REQUIRED BY ARTICLE 79.708, UFC-91.
2. USED SOLVENT TRANSFER PUMP TO BE PIPED AND INSTALLED PER SAFETY-KLEEN STANDARD DRAWING #D11150 UNLESS OTHERWISE NOTED.
3. PARTICULAR ATTENTION IS CALLED TO THE INSTALLATION PROCEDURES SUPPLIED BY THE MANUFACTURERS OF SYSTEM COMPONENTS.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING ALL NEW MECHANICAL SYSTEMS. WHERE A TESTING PROCEDURE HAS NOT BEEN SPECIFIED HEREIN, FOLLOW MANUFACTURER'S RECOMMENDATIONS.
5. AUTOMATIC SPRINKLER SYSTEM IN H-3 BUILDING: SEE NOTE 5, DRAWING 8000.
6. EXHAUST FANS TO BE INSTALLED WITH THE BOTTOM EDGE 12" ABOVE BUILDING FLOORS.

ELECTRICAL

SEE DRAWING NOS. 8000 & 8001.

REINFORCED MASONRY

1. REINFORCED MASONRY CONSTRUCTION SHALL FOLLOW THE REQUIREMENTS OF UBC-91 CHAPTER 24. COMPRESSIVE STRENGTH OF REINFORCED MASONRY ASSEMBLAGE SHALL BE A MINIMUM OF 2,000 PSI AT 28 DAYS. ALL MATERIALS USED SHALL CONFORM TO THE STANDARDS OF SECTIONS 2402. CONSTRUCTION PRACTICES SHALL COMPLY WITH SECTION 2404. SPECIAL ATTENTION SHALL BE PAID TO SECTION 2404(c) FOR CONSTRUCTION WHEN AIR TEMPERATURE IS BELOW 40° F.
2. THE CONTRACTOR SHALL CONDUCT THE MASONRY PRISM TESTING REQUIRED BY SECTION 2405(c) OR, IN LIEU OF SUCH TESTING, SHALL PROVIDE FOR SAFETY-KLEEN REVIEW, PRIOR TO DELIVERY OF THE MATERIALS TO THE JOB SITE, LETTERS FROM SUPPLIERS OF EACH OF THE FOLLOWING MATERIALS CERTIFYING THAT THE MATERIALS MEET THE FOLLOWING QUALITY AND STRENGTH REQUIREMENTS:
   - A. CONCRETE MASONRY UNITS SHALL SATISFY ASTM C-90 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,800 PSI.
   - B. GROUT SHALL SATISFY UBC STANDARD 24-22 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,800 PSI.
   - C. DEFORMED BARS SHALL BE ASTM A-615 GRADE 60, HAVING A MINIMUM ALLOWABLE TENSILE STRESS OF 24,000 PSI.
   - D. JOINT REINFORCEMENT SHALL SATISFY ASTM A-82 AND SHALL HAVE A MINIMUM ALLOWABLE TENSILE STRESS OF 30,000 PSI.
   - E. METAL TIES AND ANCHORS SHALL HAVE A MINIMUM ALLOWABLE TENSILE STRESS OF 30,000 PSI AND SHALL HAVE A CORROSION-RESISTANT COATING.
3. MORTAR SHALL BE TYPE M OR S. MORTAR AND GROUT PROPORTIONS AND PROPERTIES SHALL CONFORM TO SECTION 2403.
4. REINFORCEMENT SHALL CONFORM TO THE SPECIAL REQUIREMENTS OF SECTION 2407(h) FOR SEISMIC ZONES 1 AND 2.
5. VERTICAL REINFORCEMENT SHALL BE GRADE 60 DEFORMED BARS, LOCATED IN GROUTED CELLS AS FOLLOWS:
   - A. ONE NO. 6 AT 24 INCHES ON CENTER, CONTINUOUS BETWEEN FOUNDATION WALL AND TOP OF WALL, THROUGHOUT THE LENGTH OF ALL WALLS. EACH BAR SHALL BE EMBEDDED A MINIMUM OF 24 INCHES INTO THE FOUNDATION WALLS AND SHALL PROJECT A MINIMUM OF 54 INCHES ABOVE THE BASE OF THE WALL BEFORE BEING SPLICED. LAP SPLICES SHALL HAVE A MINIMUM LENGTH OF 47 INCHES. ALL VERTICAL BARS SHALL BE HELD IN-PLACE BY GALVANIZED BAR POSITIONERS AT ENDS AND MID-LENGTHS OF BARS.
   - B. INCREASE BAR SIZE TO NO. 8 IN MID-REGION OF EAST AND WEST WALLS (FIVE FEET EACH SIDE OF CENTERLINE). OTHER DETAILS OF REINFORCEMENT TO BE THE SAME AS NOTE A.
   - C. ONE NO. 4 AT BOTH ENDS OF EACH WALL AND AT BOTH SIDES OF EACH OPENING, EXTENDING, WHERE APPROPRIATE, 24 INCHES PAST THE OPENING.
   - D. EACH BAR SHALL BE PLACED AT MID-DEPTH OF THE WALL, ±1/2 INCH.
   - E. EACH BAR SHALL BE PLACED ±1 INCH LONGITUDINALLY IN THE WALL.
6. HORIZONTAL REINFORCEMENT SHALL BE:
   - A. TWO NO. 4 GRADE 60 DEFORMED BARS IN GROUTED BOND BEAM AT TOP OF WALLS. BOND BEAM SHALL BE CONTINUOUS AROUND THE PERIMETER OF THE BUILDINGS OR BETWEEN SUPPORTS. LAP SPLICES SHALL HAVE A MINIMUM LENGTH OF 27 INCHES. ALL HORIZONTAL BARS SHALL BE HELD IN-PLACE BY GALVANIZED BAR POSITIONERS AT ENDS AND MID-LENGTHS OF BARS.
   - B. NO. 9 GA. JOINT REINFORCEMENT SPACED AT 16 INCHES ON VERTICAL CENTERS. LAP SPLICES SHALL HAVE A MINIMUM LENGTH OF 12 INCHES.
   - C. ONE NO. 4 GRADE 60 DEFORMED BAR AT THE TOPS OF ALL OPENINGS AND AT THE BOTTOM OF EXHAUST FAN OPENINGS. THESE BARS SHALL EXTEND, WHERE APPROPRIATE, 24 INCHES PAST THE OPENING.
7. HORIZONTAL REINFORCEMENT TERMINATING NEAR CORNERS OF WALLS SHALL EXTEND A MINIMUM OF 24 INCHES AROUND THE CORNER.
8. INSTALL CONTROL JOINT AT SE CORNER OF WAREHOUSE AT R/F SHELTER. SEE DRAWING 7001.

NO.	DESCRIPTION	BY	CHK	APPR	DATE
01	REVISED MASONRY NOTES, MISC. AS NOTED	JFG	RCS	JWC	11/13/91
0	RELEASED FOR REGULATORY REVIEW & BIDDING	JFG	RCS	JWC	10/25/91

REVISIONS

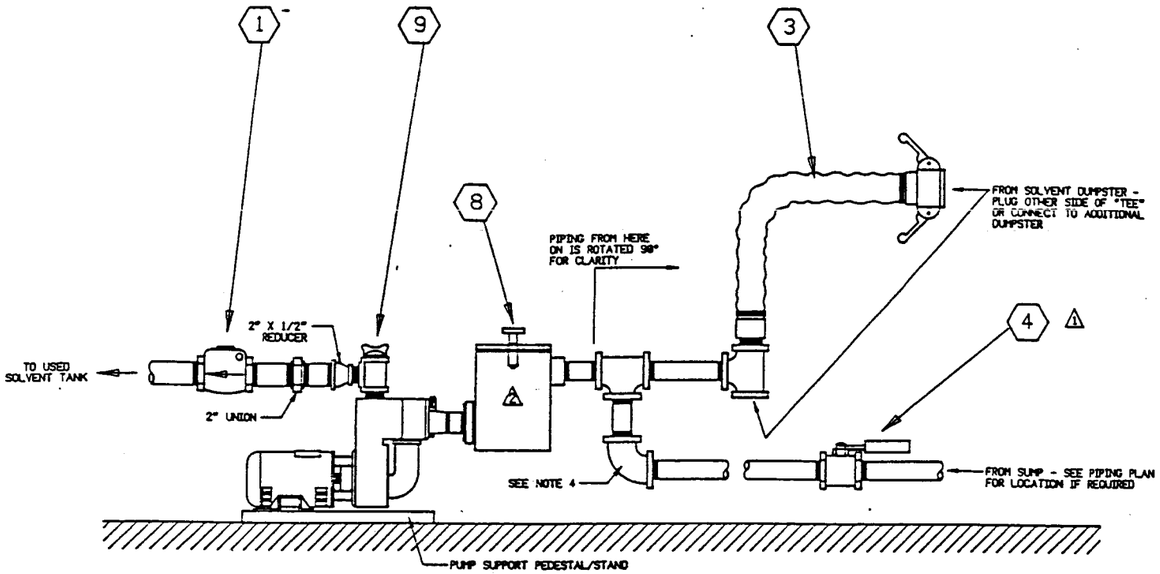
TITLE: NOTES & SPECIFICATIONS

SAFETY-KLEEN CORP.

SCALE	BY	CHKD	P.E. APPR	OP APPR	DATE
NONE	J.F.G.				10/25/91

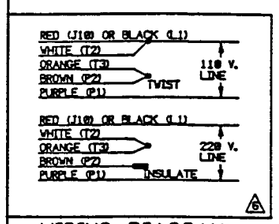
ALBUQUERQUE, NM

STD-DWG-REV NO. SH. 1 OF 4
700801-0001-01

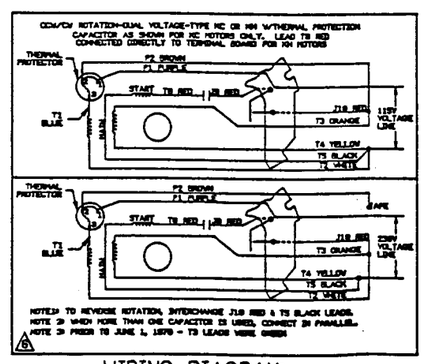


USED SOLVENT PUMP INSTALLATION

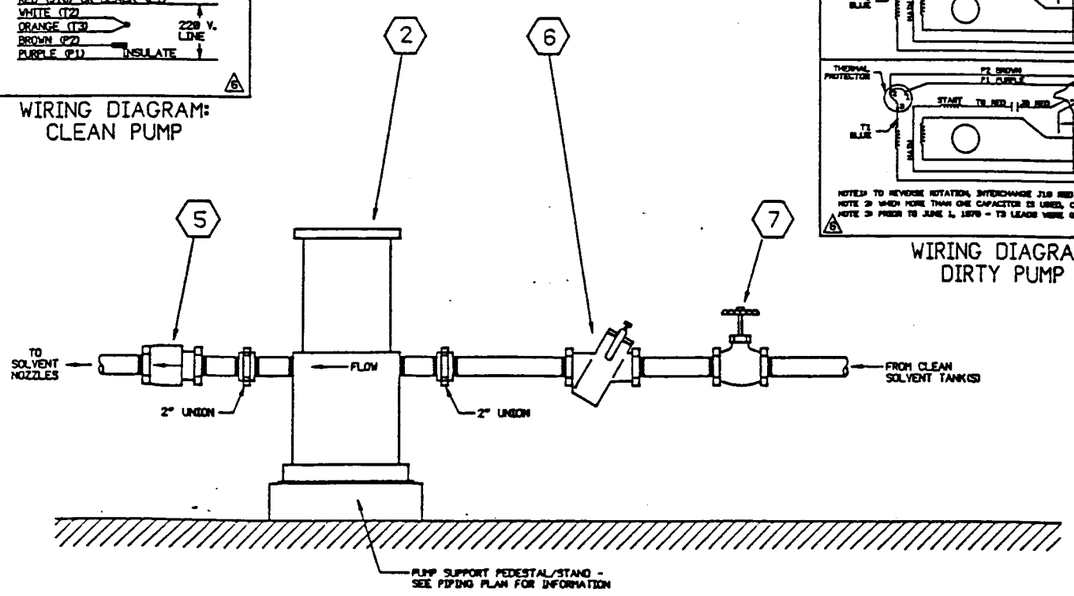
EQUIPMENT / FIXTURE SCHEDULE				
MARK	SIZE	DESCRIPTION	SK PART NO.	REMARKS
1	2"	2" BRONZE CHECK VALVE - MORRISON BROS. FIG. 246-A	S288	
2	2"	2" MARLOW PUMP - 20 EVP 10A 1 HP EXPLOSION PROOF MOTOR W/JUNCTION BOX - VITON FITTED	S240	SEE SPECIFICATION DETAILS ON SAFETY-KLEEN DWG. A11118 BELOW
3	2"	2" DUMPSTER HOSE ASSEMBLY	S234	SEE SAFETY-KLEEN DWG. D104S2 FOR DETAILED INFORMATION
1 4	2"	2" APOLLO BALL VALVE, BRONZE BODY W/STAINLESS STEEL BALL & TRIM. TEFLON SEALS & CONBRACO SPRING LOADED SELF CLOSING DEADMAN HANDLE	S272	
5	2"	2" BACK PRESSURE VALVE VERTICAL TYPE WITH 6 PSI SPRING SETTING - MORRISON BROS. FIG. 158-B/PR (15 P.S.I. OPEN)	S268	FOR ABOVEGROUND TANK INSTALLATION ONLY
6	2"	2" LINE STRAINER W/TOP CLEAN-OUT W/020 MESH MORRISON BROS. FIG. 286	S289	
7	2"	2" BRONZE GATE VALVE MORRISON BROS. FIG. 235	S236	
2 8	2"	2" MARLOW SUCTION STRAINER ASSEMBLY MODEL S312X W/STAINLESS STEEL BASKET W/010 PERFORATIONS	S313	FLANGED DISCHARGE PORT OF STRAINER SERVES AS UNION ON SUCTION SIDE OF PUMP
9	1 1/2"	1 1/2" MARLOW PUMP - 1 1/2HR4SEC. SINGLE PHASE, EXPLOSION PROOF, BUNA FITTED, SELF PRIMING CENTRIFUGAL	S330	SEE DETAIL BELOW LEFT



WIRING DIAGRAM: CLEAN PUMP



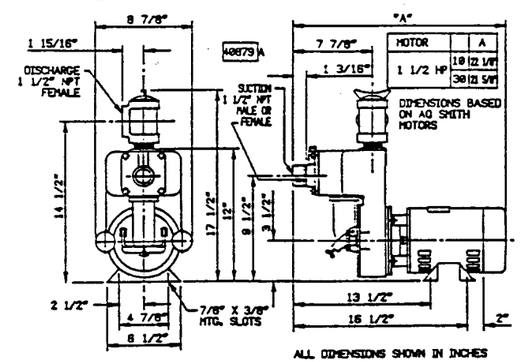
WIRING DIAGRAM: DIRTY PUMP



CLEAN SOLVENT PUMP INSTALLATION

PUMP UNITS WITH OPEN MOTORS
1 1/2HR4SEC

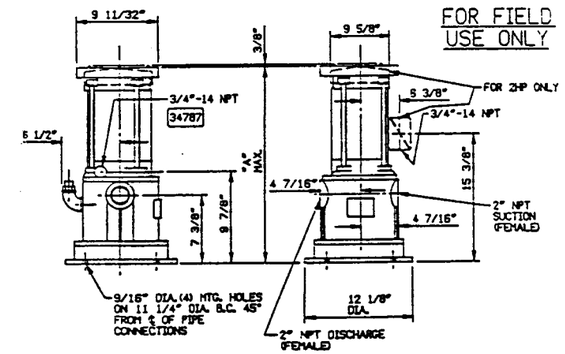
DWGS BASED ON "AQ SMITH" MOTORS



ALL DIMENSIONS SHOWN IN INCHES

THESE DIMENSIONS NOT TO BE USED FOR CONSTRUCTION PURPOSES WITHOUT FORMAL FACTORY APPROVAL.

FOR FIELD USE ONLY



GENERAL NOTES

1. MODEL TO BE USED BY SAFETY-KLEEN CORP. - MODEL 20 EVP-10A, 1 HP - 2" WITH EXPLOSION PROOF MOTOR W/JUNCTION BOX & VITON FITTED, SINGLE PHASE 60 CYCLE 115/230V.
2. SEE INDIVIDUAL SERVICE CENTER SITE PLANS FOR LOCATION OF THE INSTALLATION.

S-K PART NO.	G.E. EXPL. PROOF MOTORS				
	HP	PHASE	CYCLE	A	
S240		1	60	20 13/32"	115/230

GENERAL NOTES

1. THIS DRAWING SUPERCEDES SAFTY-KLEEN CORP. DRAWING A11118
2. SEE INDIVIDUAL SERVICE CENTER SITE & PIPING PLANS FOR LOCATIONS & ARRANGEMENT OF THESE DETAILS.
3. FOR UNDERGROUND TANK INSTALLATIONS, A 90° CHECK VALVE MORRISON BROS. FIG. 137 OR APPROVED EQUAL SHOULD BE INSTALLED AT TOP OF TANK ON CLEAN PUMP SUCTION LINE (CLEAN TANKS ONLY).
4. ALL PIPING TO BE 2" SCHEDULE 40 GALVANIZED UNLESS OTHERWISE SPECIFIED. ALL CHANGES OF DIRECTION IN DIRTY SOLVENT PIPING TO BE ACCOMPLISHED USING EITHER (2)-45° ELBOWS OR (1)-LONG RADIUS 90° ELBOW.
5. THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO SAFETY-KLEEN CORP. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING IS EXPRESSLY PROHIBITED EXCEPT BY SAFETY-KLEEN OR AS SAFETY-KLEEN MAY AGREE IN WRITING.
6. ALL ITEMS WITH SAFETY-KLEEN PART NO. REFERENCES WILL BE SUPPLIED TO CONTRACTOR.

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
5	ADDED V.D.'S FOR CLEAN & USED PUMPS	RD			3/6/9
4	ADDED NEW PUMP FOR DIRTY SOLVENT TO VIEW & TABLE, ADDED PUMP SPECS	RD			4/18/
3	ADDED NOTE 6	WJ			8/23/
2	ADDED PUMP SPECS - DWG A11118	WJ			5/3/
2	ADDED ITEM 8 & ADDED TO NOTE 4	WJ			2/21/
1	CHANGED ITEM 4 TO NEW TYPE VALVE	WJ			2/13/

REVISIONS

TITLE: SOLVENT PUMP PIPING INSTALLATION DETAILS I

SAFETY-KLEEN CORP.

PROJ. ENG. APPR.	SPECIFICATION APPR.	SCALE	DRAWN	DATE
		NTS	NWO-PRG	2/24/

DESIGNED	DRAWING NO.	REV.
FOR SERVICE CENTER BRANCH	D111S0	6

BJS
2/24/89 PBG

APPENDIX B

Installation Documentation

APPENDIX B

Installation Documentation

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T

92-403-19
B-1

STATE OF NEW MEXICO
OFFICE OF THE STATE FIRE MARSHAL

APPLICATION FOR APPROVAL
INSTALLATION OF SERVICE STATION AND FLAMMABLE LIQUID STORAGE TANKS -- UNDERGROUND

(This form to be submitted in TRIPLICATE.)

Carefully read NFPA Standard No. 30, Flammable and Combustible Liquids Code, and NFPA Standar No. 30-A, Automotive and Marine Service Station, 1984 Editions, before completing this form particularly those numbered sections shown on this form in ( ).

DATE 2-10-92

Safety Kleen Corp 2720 Girard N.E. Albuq. N.M. 87107
OCCUPANT ADDRESS CITY ZIP

Safety Kleen Corp 777 Big Timber Rd. Elgin Tl. 60123
PROPERTY OWNER ADDRESS CITY ZIP

ADDRESS OF INSTALLATION 2720 Girard N.E Albuq N.M 87107

NAME OF PRODUCT OR SUPPLIER Modern Steele ADDRESS _____ CITY _____

DESCRIPTION OF TANKS AND LIQUIDS

NUMBER	DIMENSIONS OR CAPACITY OF EACH (GALLONS)	KIND OF LIQUID
1. J388052	8x34- 12000 Gal Double wall ACT# 12933	Mineral Spirits
2. J388053	8x34 " " " " ACT# 12934	Used Mineral Spirits

CONSTRUCTION

Are tanks NEW ~~or USED~~? Yes Is installation NEW, ADDITION or REPLACEMENT? New

(2-1) Do tanks bear the label of Underwriters' Laboratories, Inc.? Yes

(NOTE: Unlabeled tanks shall have construction details submitted to the State Fire Marshal certifying that the tanks have been constructed and tested in accordance with the requirements c NFPA No. 30 or of Underwriters' Laboratories, Inc. for underground tanks.)

INSTALLATION

2-3.2.2 Depth and type of cover over tank: 4' Sand

2-3.2.2 Are tanks to be set in clean earth, sand or gravel well tamped in place? Yes Sand

2-3.5.1 Are vents from Class I liquid storage tanks to be arranged to discharge upward? Yes

Distance from vents to nearest building openings is to be: 25'

2-3.5.1 Distance vents above ground level or buildings: 3' Above Building

2-3.5.2 Size of vents: 2"

2-3.5.4 Are vent lines to be sloped to drain back to tank? _____

2-3.6.5 Distance between fill pipe opening and nearest building opening is to be: 30'

2-3.6.5 Fill pipes are to be identified by (describe): Label

2-7.1 Do you agree to test the tanks and connected piping required by NFPA No. 30, 1984 Edition, before covering, enclosing, or placing in use? Yes

2-3.3 Type of corrosion protection: Cathodic _____ Galvanic _____ Other _____

4-2.2 (30-A) Will the service station type dispensing devices bear the label of Underwriters' Laboratories, Inc. and be installed in accordance with NFPA No. 30-A, 1984 Edition? Yes

6-1 (30-A) Will the electrical equipment and installations be made in accordance with NFPA Standards Nos. 30 and 30-A, 1984 Edition, and the State Electrical Code? Yes

8-4.8 Do you agree to post "NO SMOKING" signs? Yes

8-7.1 Number, type and rating of fire extinguishers to be provided: Powder

STATE OF NEW MEXICO)
) ss.
COUNTY OF BERNALILLO)

CERTIFICATES OF APPLICANT AND INSTALLER

The undersigned APPLICANT and the undersigned INSTALLER of the storage tank(s) to which this Application relates, both being first duly sworn, affirm and state:

1. that all statements contained in this Application are true, complete and accurate; and
2. that the installation to which this Application relates complies, in all respects, with the requirements of NFPA Standards Nos. 30 and 30-A and the New Mexico Rules and Regulations Relating to Flammable and Combustible Liquids.

Subscribed and sworn before me this 21 day of February, 1992.

by [signature]
APPLICANT

My commission expires:
2-13-93

[signature]
NOTARY PUBLIC

Subscribed and sworn before me this 21 day of February, 1992.

X by [signature]
INSTALLER

My commission expires:
2-13-93

[signature]
NOTARY PUBLIC

INSTALLATION SURVEYED BY FIRE CHIEF OR DESIGNATED REPRESENTATIVE:

SIGNATURE -- FIRE CHIEF or REPRESENTATIVE

P.O. ADDRESS

CITY ZIP

NM Environment Department
Underground Storage Tank Bureau
Prevention/Inspection Section
P.O. Box 26110
Santa Fe, New Mexico 87502-6110
(505) 827-0216

INSPECTION REPORT

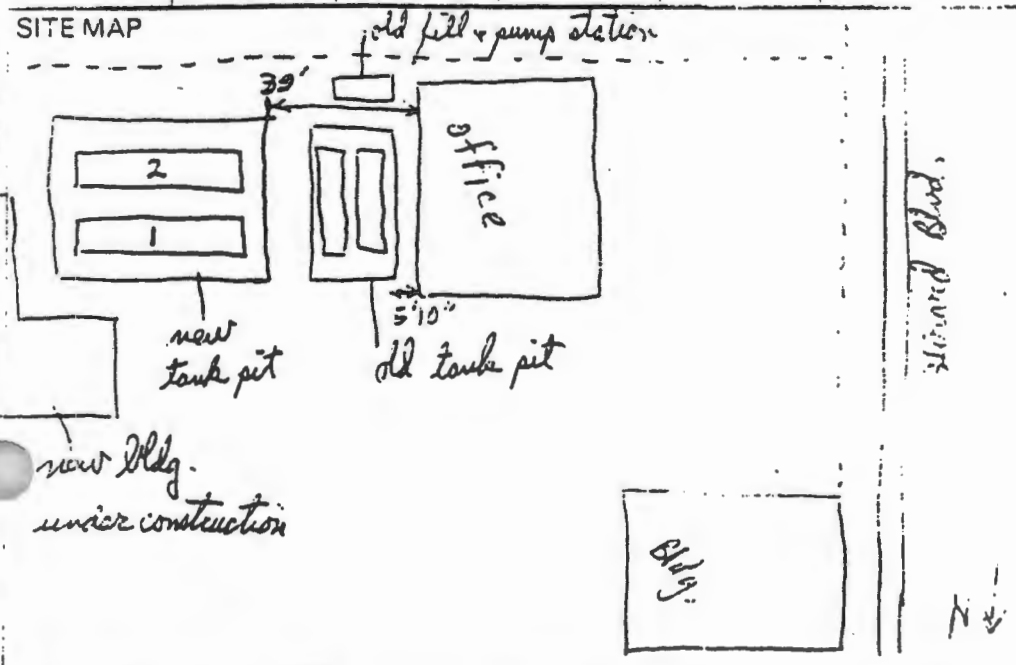
DATE	CASE NUMBER	PRE-INSPECTION CONFERENCE TIME
2/10/92	C-6124	8:15A

INSPECTION TYPE: ☐ COMPLIANCE ☐ REINSPECTION ☐ TANK CLOSURE ☒ INSTALLATION ☐ REPAIR ☐ COMPLAINT ☐ MODIFICATION

Facility Name	Facility No.	Phone No.
1. Safety Kleen	[illegible]	884-2277
Address: 2720 Girard Blvd N.E., Albuquerque, N.M.		ZIP Code: 87107
Owner Name	Owner No.	Phone No.
2. Safety Kleen Corp.	[illegible]	
Address: 777 Big Timber Rd., Elgin, Il. 60120		ZIP Code
Facility Operator		Phone No.
3. same as #2		
Address		ZIP Code
Contractor Name	Installer No.	Phone No.
4. John Kindrick	[illegible]	344-2693
Address: 626 Vineyard Rd. N.E., Albuquerque, N.M.		ZIP Code: 87113

TANK NO.	SIZE	CONTENTS	INSTALLATION DATE	TANK CONSTRUCTION	PIPING CONSTRUCTION	TANK RELEASE DETECTION	PIPING RELEASE DETECTION	TANK STATUS
1	N 12000	fresh mineral spirits	new	double wall FRP coated	double wall steel pipe w/ polyethylene secondary containment	ATG		in use
2	S 12000	waste mineral spirits	new	composite " "	" "	"		in use

SITE MAP



DISTRIBUTION: WHITE - Owner CANARY - Operator PINK - USTB GOLDENROD - Compliance Officer

New Mexico Underground Storage Tank Bureau **INSPECTION REPORT**

		Yes	No	Unk.	N/A
1. All applicable tanks on site are registered.	1.	X			
2. Proper notification was made for the following:					
a. Closure		X			X
b. Installation					
c. Modification	c.				X
d. Repair	d.				X
3. Tanks closed properly.	3.				X
4. Tanks installed properly.	4.	X			
5. Tanks repaired/modified properly.	5.				X
6. Release detection — tanks.	6.	X			
7. Release detection — piping.	7.	X			
8. Record keeping:	8.				
a. Cathodic protection monitoring.	a.	X			
b. Impressed current monitoring.	b.				
c. Tank tightness test.					
d. Line tightness test.					
e. Line leak detector test.					
f. Release detection performance claims, tests.					
g. Release detection sampling/testing results.					
h. Inventory records.					
i. Permanent closure records.					X
j. Proof of financial responsibility.					X
9. Evidence of release/spill.	9.		X		X

COMMENTS: ATG will be Veeder-Root TLS-350I with interstitial probes. Will also have "Level-devil" ~~spill~~ overfill alarm. Will install leak detection probes in every manway.

CLOSING CONFERENCE:	DATE	TIME

Compliance Officer's Signature _____ Date _____

On-site Representative's Signature _____ Date _____

92-403-19
B-5

CITY OF ALBUQUERQUE FIRE DEPARTMENT
FIRE PREVENTION BUREAU
P.O. BOX 2086 / 2510 QUINCY N.E.
ALBUQUERQUE, NEW MEXICO 87110
(505) 888-8124

Permit No. _____ Date: 2/10/92

Business: RHC / Safety Kleen

Address: 2720 Girard NE Telephone: _____

Conditions, surroundings and arrangements to be in accordance with the Fire Prevention Code Regulations adopted by Commission Ordinance No. 30-1983.

Article: 4.108 Section: UFC 88 Fire Code.

Article: 79 Division UFC 88 Fire Code.

List of Violations:

Pressure tested two UL#'s on 2/10/92 double wall tanks at 4 psi for 1/2 hour each, witnessed by Mark Cardman State E.P.

UL#J388052 8'x33'4" clean mineral spirits (2,000) gal

UL#J388053 8'x33'4" used mineral spirits (12,000) gal

OK to install a backfill with approval of State E.P.

Call for product line test when ready.

Inspector: [signature]

Immediate attention should be given to the above violations and should be corrected by: Call

Occupant's Signature: [signature]

Address: _____

Telephone No.: _____

92-403-19
B-6

CITY OF ALBUQUERQUE
FIRE DEPARTMENT
OFFICIAL INSPECTION REPORT/NOTICE OF HAZARD

ADMINISTRATIVE OFFICE / 724 SILVER S.W. / 242-1441 • FIRE PREVENTION BUREAU / 2510 QUINCY N.E. / 888-8124

INSPECTION [ ] RE-INSPECTION [X] NOTICE OF HAZARD [ ]

Permit No. _____ Engine Co. _____ Time Start 1:15 Time End 2:00 Date 2/20/92

BUSINESS NAME: RHC PHONE _____

ADDRESS: 2720 Girard NE EMERGENCY PHONE _____

OCCUPANT NAME Safety Alert TYPE OF OCCUPANCY

A1 B1 E1 [X] I1 R1 M1
A2 B2 E2 I2 R2 M2
A2.1 B3 E3 I3 R3
A3 B4
A4

[X] 1. PERMIT REQUIRED? [X] Yes [ ] No ON PREMISES? [X] Yes [ ] No U.F.C. 4.108

[ ] 2. BUILDING ADDRESS NUMBER shall be plainly visible from street, minimum of 5" high. U.F.C. 10.208(a).

[ ] 3. ACCUMULATION OF WASTE MATERIAL, wastepaper, hay, grass, straw, weeds, litter or combustible or flammable waste, waste petroleum products, or rubbish of any kind shall not be permitted to remain upon any roof or in any courtyard, vacant lot or open space. All weeds, grass, vines or other growth when same endangers property, or is liable to be fired, shall be cut down and removed by the owner or occupant of the property. U.F.C. 11.201.

[ ] 4. FLAMMABLE DECORATIVE MATERIALS i.e., cotton batting, either natural, artificial or manufactured, straw, dry vines, leaves, trees or other highly flammable materials shall not be used for decorative purposes in show windows or other parts of commercial, industrial or institutional occupancies unless made flame retardant. U.F.C. 11.204.

[ ] 5. STORAGE OF COMBUSTIBLE MATERIALS in buildings shall be orderly, shall be more than two feet from ceiling, and shall be located as not to endanger exit from the building. Usuable storage height is the distance from the floor to a point not less than eighteen inches below the ceiling sprinkler head deflector. U.F.C. 11.203(b) & U.F.C. 81.105.

[ ] 6. FIRE PROTECTION SYSTEMS: All sprinkler systems, fire hydrant systems, standpipe systems, fire alarm systems, portable fire extinguishers, smoke removal systems and other fire-protective systems and appliances shall be maintained in an operative condition at all times. U.F.C. 10.302(a).

[ ] 7. FIRE EXTINGUISHERS shall be installed in occupancies and locations determined by the Fire Dept. and shall be in accordance with U.F.C. Standard No. 10-1. U.F.C. 10.303(a). See Narrative.
[ ] Re-service fire extinguisher(s). These (this) appliance(s) must be serviced by a licensed fire extinguisher company once yearly. NFPA 10-1 4-4.1.

[ ] 8. OBSTRUCTION OF FIRE PROTECTION EQUIPMENT: No person shall place or keep any post, fence, vehicle, growth, trash, storage or other material thing near any fire hydrant, fire department connection or fire protection system control valve that would prevent such equipment or hydrant from being immediately discernible or in any other manner deter or hinder the fire department from gaining immediate access to said equipment or hydrant. A minimum 3-foot clear space shall be maintained around the circumference of the fire hydrant. U.F.C. 10.206(a).

[ ] 9. HEAT PRODUCING DEVICES: The clearance between stored materials and unit heaters, radiant space heaters, duct furnaces, and flues shall not be less than 3 ft. in all directions and device shall be in good working order. NFPA 231-4-2.4.

[ ] 10. EQUIPMENT ROOMS, boiler rooms, mechanical rooms, and electrical panel rooms shall not be used for the storage of combustible merchandise, material or equipment. U.F.C. 11.203(c).

[ ] 11. POSTING OF ROOM CAPACITY: Any room having an occupant load of 50 or more where fixed seats are not installed, and which is used for classroom, assembly or similar purpose, shall have the capacity of the room posted in a conspicuous place on an approved sign near the main exit from the room. U.F.C. 25.114(a).

[ ] 12. OVERCROWDING: No person shall permit overcrowding or admittance of any person beyond the approved capacity of any place of assemblage. U.F.C. 25.114(c).

[ ] 13. EXIT OBSTRUCTIONS, including storage, shall not be placed in the required width of an exit and shall remain free of any material or matter where its presence would obstruct or render the exit hazardous. U.F.C. 12.103(a).

[ ] 14. EXIT DOORS shall be maintained in an operable condition. Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort. Exit doors shall not be locked, chained, bolted, barred, latched or otherwise rendered unusable. All locking devices shall be of an approved type. U.F.C. 12.104(a&b).

[ ] 15. EXIT SIGNS shall be installed at required exit doorways and where otherwise necessary to clearly indicate the direction of egress when the exit serves an occupant load of 50 or more. U.F.C. 12.108(a).

[ ] 16. (A) EXIT ILLUMINATION: All exit aisles, corridors, stairways and other areas necessary for exiting shall be illuminated at any time the building is occupied with a light intensity of not less than 1 foot-candle at floor level. U.F.C. 12.107(a).
[ ] (B) EXIT SIGN ILLUMINATION: Exit signs shall be illuminated either internally or externally by two electric lamps or shall be of an approved self-luminous type. Current supply to one lamp for an exit sign shall be the premises' wiring system. Power to the other lamp shall be from storage batteries or an on-site generator. U.F.C. 12.108(d) & U.B.C. 3314(c).

[ ] 17. NO SMOKING SIGNS: Where conditions are such as to make smoking a hazard in any areas, the Fire Dept. is empowered and authorized to order the occupant to post "No Smoking" signs. U.F.C. 13.101.

[ ] 18. ELECTRICAL PANEL ACCESS: A minimum of 30 inches of clearance shall be provided in front of electrical control panels for access. U.F.C. 85.108.

[ ] 19. MULTIPLUG ADAPTERS: The use of multiplug adapters such as multiplug extension cords, cube adapters, strip plugs or any other device is prohibited. U.F.C. 85.107.

[ ] 20. EXTENSION CORDS shall not be used as a substitute for permanent wiring. U.F.C. 85.106(a).

[ ] 21. ABATEMENT OF ELECTRICAL HAZARDS: When any electrical hazards are identified, measures to abate such conditions shall be taken. All identified electrical conditions in permanent wiring shall be brought to the attention of the authority enforcing the Electrical Code. U.F.C. 85.104.

[ ] 22. FLAMMABLE LIQUID STORAGE U.F.C. Article 79
A. Flammable liquids shall be stored in approved tanks/closed containers/safety cans/flammable storage cabinets or H-2 rooms.
B. Dispensing of Class 1 liquids shall be from approved upright pump or fixed dispenser and shall be in an approved location.
C. Storage cabinets: No container over 5 gallons, maximum of 120 gallons per cabinet of which not more than 60 gallons to be Class 1 or Class 2.
D. LP Gas - Provide 10' clearance from weeds and combustibles. U.F.C. 82.109.

[ ] 23. FAILURE TO COMPLY with any order issued can result in legal action being taken against any violator in any court of jurisdiction, by issuing citations, or by ordering the closure of such occupancy until compliance is achieved, or by any other legal process. U.F.C. 2.205(b).

[X] 24. OTHER, OR EXPLANATION OF PRECEEDING ITEMS
Propane tanks & product lines, Return lines, & two (2) tanks located at 4" psi for 1/2 hour. This was secondary containment sleeves over primary line. Ok to backfill & system.

ITEMS CORRECTED IMMEDIATELY _____

THIS IS AN OFFICIAL NOTIFICATION TO CORRECT THE ABOVE NOTED VIOLATION(S) WITHIN ____ DAY(S) FROM THE DATE OF THIS NOTICE, AT WHICH TIME A REINSPECTION WILL BE MADE.

OCCUPANT'S SIGNATURE [signature] DATE _____

x Pa. Wale I.D. No. _____ Batallion _____

92-403-19
B-6a

CITY OF ALBUQUERQUE
FIRE DEPARTMENT
OFFICIAL INSPECTION REPORT/NOTICE OF HAZARD

ADMINISTRATIVE OFFICE / 724 SILVER S.W. / 242-1441 • FIRE PREVENTION BUREAU / 2510 QUINCY N.E. / 888-8124

INSPECTION [ ] RE-INSPECTION [X] NOTICE OF HAZARD [ ]

Permit No. _____ Engine Co. _____ Time Start _____ Time End _____ Date 2/20/92

BUSINESS NAME: RHC / PHONE _____

ADDRESS: 2720 Girard NE EMERGENCY PHONE _____

OCCUPANT NAME Safety Kleen TYPE OF OCCUPANCY [ ] A1 [ ] B1 [ ] E1 [X] H [ ] I1 [ ] R1 [ ] M1 [ ] A2 [ ] B2 [ ] E2 [ ] I2 [ ] R2 [ ] M2 [ ] A2.1 [ ] B3 [ ] E3 [ ] I3 [ ] R3 [ ] A3 [ ] B4 [ ] A4

[X] 1. PERMIT REQUIRED? [X] Yes [ ] No ON PREMISES? [X] Yes [ ] No U.F.C. 4.108

[ ] 2. BUILDING ADDRESS NUMBER shall be plainly visible from street, minimum of 5" high. U.F.C. 10.208(a).

[ ] 3. ACCUMULATION OF WASTE MATERIAL, wastepaper, hay, grass, straw, weeds, litter or combustible or flammable waste, waste petroleum products, or rubbish of any kind shall not be permitted to remain upon any roof or in any courtyard, vacant lot or open space. All weeds, grass, vines or other growth when same endangers property, or is liable to be fired, shall be cut down and removed by the owner or occupant of the property. U.F.C. 11.201.

[ ] 4. FLAMMABLE DECORATIVE MATERIALS i.e., cotton batting, either natural, artificial or manufactured, straw, dry vines, leaves, trees or other highly flammable materials shall not be used for decorative purposes in show windows or other parts of commercial, industrial or institutional occupanices unless made flame retardant. U.F.C. 11.204.

[ ] 5. STORAGE OF COMBUSTIBLE MATERIALS in buildings shall be orderly, shall be more than two feet from ceiling, and shall be located as not to endanger exit from the building. Usuable storage height is the distance from the floor to a point not less than eighteen inches below the ceiling sprinkler head deflector. U.F.C. 11.203(b) & U.F.C. 81.105.

[ ] 6. FIRE PROTECTION SYSTEMS: All sprinkler systems, fire hydrant systems, standpipe systems, fire alarm systems, portable fire extinguishers, smoke removal systems and other fire-protective systems and appliances shall be maintained in an operative condition at all times. U.F.C. 10.302(a).

[ ] 7. FIRE EXTINGUISHERS shall be installed in occupancies and locations determined by the Fire Dept. and shall be in accordance with U.F.C. Standard No. 10-1. U.F.C. 10.303(a). See Narrative.
[ ] Re-service fire extinguisher(s). These (this) appliance(s) must be serviced by a licensed fire extinguisher company once yearly. NFPA 10-1 4-4.1.

[ ] 8. OBSTRUCTION OF FIRE PROTECTION EQUIPMENT: No person shall place or keep any post, fence, vehicle, growth, trash, storage or other material thing near any fire hydrant, fire department connection or fire protection system control valve that would prevent such equipment or hydrant from being immediately discernible or in any other manner deter or hinder the fire department from gaining immediate access to said equipment or hydrant. A minimum 3-foot clear space shall be maintained around the circumference of the fire hydrant U.F.C. 10.206(a).

[ ] 9. HEAT PRODUCING DEVICES: The clearance between stored materials and unit heaters, radiant space heaters, duct furnaces, and flues shall not be less than 3 ft. in all directions and device shall be in good working order NFPA 231-4-2.4.

[ ] 10. EQUIPMENT ROOMS, boiler rooms, mechanical rooms, and electrical panel rooms shall not be used for the storage of combustible merchandise, material or equipment. U.F.C. 11.203(c).

[ ] 11. POSTING OF ROOM CAPACITY: Any room having an occupant load of 50 or more where fixed seats are not installed, and which is used for classroom, assembly or similar purpose, shall have the capacity of the room posted in a conspicuous place on an approved sign near the main exit from the room. U.F.C. 25.114(a).

[ ] 12. OVERCROWDING: No person shall permit overcrowding or admittance of any person beyond the approved capacity of any place of assemblage. U.F.C. 25.114(c).

[ ] 13. EXIT OBSTRUCTIONS, including storage, shall not be placed in the required width of an exit and shall remain free of any material or matter where its presence would obstruct or render the exit hazardous. U.F.C. 12.103(a).

[ ] 14. EXIT DOORS shall be maintained in an operable condition. Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort. Exit doors shall not be locked, chained, bolted, barred, latched or otherwise rendered unusable. All locking devices shall be of an approved type. U.F.C. 12.104(a & b)

[ ] 15. EXIT SIGNS shall be installed at required exit doorways and where otherwise necessary to clearly indicate the direction of egress when the exit serves an occupant load of 50 or more. U.F.C. 12.108(a).

[ ] 16. [ ] (A) EXIT ILLUMINATION: All exit aisles, corridors, stairways and other areas necessary for exiting shall be illuminated at any time the building is occupied with a light intensity of not less than 1 foot-candle at floor level. U.F.C. 12.107(a).
[ ] (B) EXIT SIGN ILLUMINATION: Exit signs shall be illuminated either internally or externally by two electric lamps or shall be of an approved self-luminous type. Current supply to one lamp for an exit sign shall be the premises' wiring system. Power to the other lamp shall be from storage batteries or an on-site generator U.F.C. 12.108(d) & U.B.C. 3314(c).

[ ] 17. NO SMOKING SIGNS: Where conditions are such as to make smoking a hazard in any areas, the Fire Dept. is empowered and authorized to order the occupant to post "No Smoking" signs. U.F.C. 13.101.

[ ] 18. ELECTRICAL PANEL ACCESS: A minimum of 30 inches of clearance shall be provided in front of electrical control panels for access. U.F.C. 85.108.

[ ] 19. MULTIPLUG ADAPTERS: The use of multiplug adapters such as multiplug extension cords, cube adapters, strip plugs or any other device is prohibited. U.F.C. 85.107.

[ ] 20. EXTENSION CORDS shall not be used as a substitute for permanent wiring. U.F.C. 85.106(a).

[ ] 21. ABATEMENT OF ELECTRICAL HAZARDS: When any electrical hazards are identified, measures to abate such conditions shall be taken. All identified electrical conditions in permanent wiring shall be brought to the attention of the authority enforcing the Electrical Code. U.F.C. 85.104.

[ ] 22. FLAMMABLE LIQUID STORAGE U.F.C. Article 79
A. Flammable liquids shall be stored in approved tanks/closed containers/safety cans/flammable storage cabinets or H-2 rooms.
B. Dispensing of Class 1 liquids shall be from approved upright pump or fixed dispenser and shall be in an approved location.
C. Storage cabinets: No container over 5 gallons, maximum of 120 gallons per cabinet of which not more than 60 gallons to be Class 1 or Class 2.
D. LP Gas - Provide 10' clearance from weeds and combustibles. U.F.C. 82.109.

[ ] 23. FAILURE TO COMPLY with any order issued can result in legal action being taken against any violator in any court of jurisdiction, by issuing citations, or by ordering the closure of such occupancy until compliance is achieved, or by any other legal process. U.F.C. 2.205(b).

[ ] 24. OTHER, OR EXPLANATION OF PRECEEDING ITEMS
Pressure test vent line at 3½ PSI for ½ hour. Ok to backfill
State F.D. present Mark Coufman

ITEMS CORRECTED IMMEDIATELY _____

THIS IS AN OFFICIAL NOTIFICATION TO CORRECT THE ABOVE NOTED VIOLATION(S) WITHIN _____ DAY(S) FROM THE DATE OF THIS NOTICE, AT WHICH TIME A REINSPECTION WILL BE MADE.

OCCUPANT'S SIGNATURE X John H. Kindle DATE 2/20/92

INSPECTOR OR O.I.C. Paul Valenzuela I.D. No. _____ Batallion _____

TERA, Inc.

NEW UNDERGROUND TANK INSPECTION RECORD

		Sheet:	1 of 2
CLIENT:	Safety-Kleen Corp.	JOB NO.:	92-403-19
PLANT LOCATION:	Albuquerque, NM	DATE:	2/10-11, 2/20-21/92
TYPE INSPECTION:	Installation	BY:	RCS
ITEM NO.:	UL#J388053	BUILT:	1991

CODES: UL 142 & PEI/RP-87

SERVICE: Store used mineral spirits solvent

TANK MANUFACTURER: Modern Welding Company, Houston, TX (713)675-4211

CAPACITY: 12,000 gal TANK TYPE: "Glassteel", Horiz., Dbl.-wl., CS/FRP Composite.

	HEADS	SHELL
MATLS:	FRP-coated Carbon Steel	Same as Heads
DIMENSIONS:	8 feet	32 feet

LEAK DETECTION SYSTEM: Veeder-Root TLS-350 w/ sensors in tank, interstice, and sump risers, continuous monitoring. Supplied by Buckingham Equipment, Albuquerque, (505) 345-4577

HIGH LEVEL ALARM SYSTEM: "Level-Devil", ultrasonic, continuous monitoring. Manufactured and supplied b.y Electronic Sensors, Inc., Wichita, Kansas (316) 267-2808

CATHODIC PROTECTION SYSTEM: Sacrificial anode, see report of independent corrosion expert

SUPPORT TYPE: Concrete deadmen, four rubber-covered fiberglass straps, 4 ft cover

BACKFILL TYPE: AASHTO Class A-1-b sand (see sieve analysis), well- compacted

COMPACTION METHOD: Gasoline-powered portable compactor, used for each 12 inch lift.

HEAD CONDITION: Unable to observe steel surface (FRP-clad), appears undamaged.

SHELL CONDITION: Unable to observe steel surface (FRP-clad), appears undamaged.

WELDED/FLANGE JOINT CONDITION: Excellent, one leak @ manway corrected by installer

TERA, Inc.

NEW UNDERGROUND TANK INSPECTION RECORD

(Continued)

		Sheet:	2 of 2
CLIENT:	Safety-Kleen Corp.	JOB NO.:	92-403-19
PLANT LOCATION:	Albuquerque, NM	DATE:	2/10-11, 2/20-21/92
TYPE INSPECTION:	Installation	BY:	RCS
ITEM NO.:	UL#J388053	BUILT:	1991

CODES: UL 142 & PEI/RP-87

SERVICE: Store used mineral spirits solvent

BACKFILL INSTALLATION: Satisfactory

NOZZLE CONDITION: Satisfactory

COATING CONDITION: Satisfactory, one shallow groove on tank bottom repaired by installer

VENT CONDITION: Satisfactory, 2 inch atmospheric vent installed as designed.

SIGNS OF CRACKS: None

SIGNS OF PUNCTURES: None

SIGNS OF COATING DAMAGE: None, after repairs noted above completed.

SIGNS OF OTHER STRUCTURAL DAMAGE OR PROBLEMS: None

HOLIDAY TEST? Yes TYPE: 35 kv tester, 100% RESULTS? Passed TIGHTNESS TEST? Yes TYPE: 30 Minute 4 psig Air Test

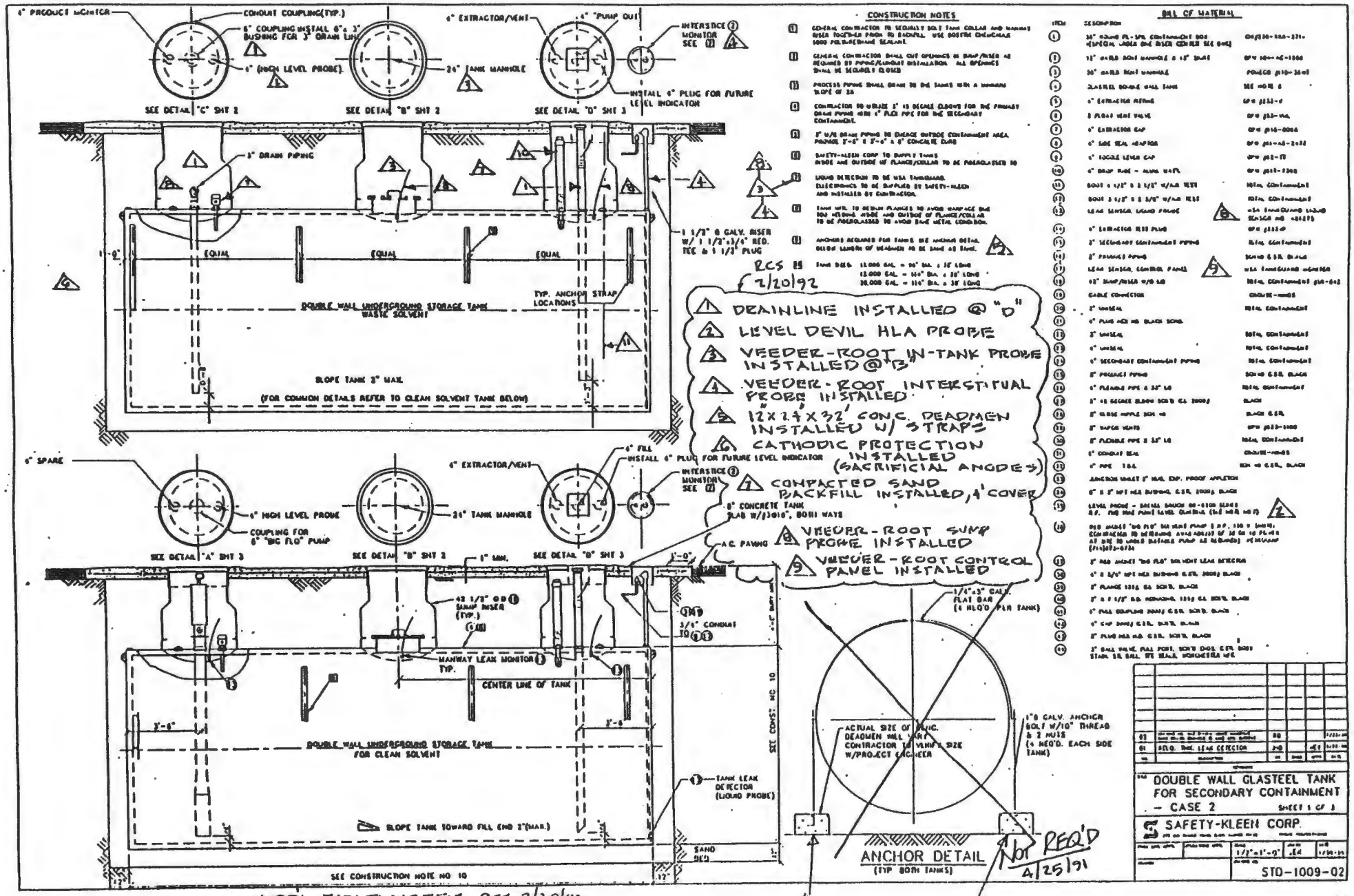
RESULTS? Passed

LEAK DETECTION SYSTEM STARTUP: Not conducted yet

HIGH LEVEL ALARM SYSTEM STARTUP: Not conducted yet

REFERENCE INSPECTION RECORDS: Photographs, sieve analysis, corrosion expert report, and tightness test record

COMMENTS: Tank installation also witnessed by inspectors from the NM UST Bureau and the Albuquerque Fire Marshall's office and Mr. John Kindrick, NM-certified UST Installer No. 023.



CONSTRUCTION NOTES

1. GENERAL CONTRACTOR TO SECURELY BOLT TANK COLLAR AND MANWAY RISER TOGETHER PRIOR TO BACKFILL. USE BOSTIK CHEMICAL 1000 POLYURETHANE SEALANT.
2. GENERAL CONTRACTOR SHALL CUT OPENINGS IN SUMP/RISER AS REQUIRED BY PIPING/CONDUIT INSTALLATION. ALL OPENINGS SHALL BE SECURELY CLOSED.
3. PROCESS PIPING SHALL DRAIN TO THE TANKS WITH A MINIMUM SLOPE OF 2%.
4. CONTRACTOR TO UPSIZE 2" TO DESIGNATED ELBOWS FOR THE PRIMARY DRAIN PIPING WITH 4" PLUG PIPE FOR THE SECONDARY CONTAINMENT.
5. 3" W/N DRAIN PIPING TO DISCHARGE OUTSIDE CONTAINMENT AREA. PROVIDE 2'-0" X 2'-0" X 8" CONCRETE PADS.
6. SAFETY-KLEEN CORP TO SUPPLY TANKS INSIDE AND OUTSIDE OF FLANGE/COLLAR TO BE FIBERGLASSED TO
7. LIQUID DETECTION TO BE VIA TANKGUARD. ELECTRONICS TO BE SUPPLIED BY SAFETY-KLEEN AND INSTALLED BY CONTRACTOR.
8. TANK WILL TO DESIGN FLANGES TO AVOID WARPAGE DUE TO WELDING INSIDE AND OUTSIDE OF FLANGE/COLLAR TO BE FIBERGLASSED TO AVOID BARE METAL CONDITION.
9. ANCHORS REQUIRED FOR TANKS. SEE ANCHOR DETAIL. DETERMINE LENGTH OF DEADMEN TO BE SAME AS TANK.
10. TANK SIZES: 12,000 GAL. = 96" DIA. x 32' LONG; 15,000 GAL. = 104" DIA. x 32' LONG; 20,000 GAL. = 114" DIA. x 32' LONG

RCS 2/20/92

1. DRAINLINE INSTALLED @ "D"
2. LEVEL DEVIL HLA PROBE
3. VEEDER-ROOT IN-TANK PROBE INSTALLED @ "B"
4. VEEDER-ROOT INTERSTITUAL PROBE INSTALLED
5. 12"x 2.4'x 32' CONC. DEADMEN INSTALLED W/ STRAPS
6. CATHODIC PROTECTION INSTALLED (SACRIFICIAL ANODES)
7. COMPACTED SAND BACKFILL INSTALLED, 4' COVER
8. VEEDER-ROOT SUMP PROBE INSTALLED
9. VEEDER-ROOT CONTROL PANEL INSTALLED

BILL OF MATERIAL

ITEM	DESCRIPTION	
1	36" ROUND FIL-SPA CONTAINMENT BOX (SPECIAL LADDER ONE RISER CENTER SEE DWG)	CM/F30-SSA-2F1-
2	12" OVALS BOLT MANWAY & 12" SLEEVE	SPW 100-AE-1000
3	36" OVALS BOLT MANWAY	POWECO P10-3601
4	GLASTEEL DOUBLE WALL TANK	SEE NOTE 6
5	6" EXTRACTOR PIPING	SPW P33-4
6	6 FLOAT VENT VALVE	SPW P33-VAL
7	6" EXTRACTOR CAP	SPW P10-0006
8	6" SIDE SEAL ADAPTOR	SPW P11-AS-2400
9	6" FOCUSE LEVER CAP	SPW P11-17
10	6" DRAIN PIPE - FLOAT VALVE	SPW P11-7300
11	BOLT & 1/2" X 3 1/2" W/AB TEST	TOTAL CONTAINMENT
12	BOLT 3 1/2" X 3 3/4" W/AB TEST	TOTAL CONTAINMENT
13	LEAK SENSOR, LIQUID PROBE	USA TANKGUARD LS2-10 SENSOR NO 4012-75
14	6" EXTRACTOR TEST PLUG	SPW P11-P
15	3" SECONDARY CONTAINMENT PIPING	TOTAL CONTAINMENT
16	3" PROCESS PIPING	SCH 40 C.S.R. BLACK
17	LEAK SENSOR, CONTROL PANEL	USA TANKGUARD MONITOR
18	42" SUMP/RISER W/O LID	TOTAL CONTAINMENT P10-042
19	CABLE CONNECTOR	CROUSE-HINDS
20	3" UNIONAL	TOTAL CONTAINMENT
21	6" PLUG NOT AS BLACK SCH.	
22	3" UNIONAL	TOTAL CONTAINMENT
23	6" UNIONAL	TOTAL CONTAINMENT
24	6" SECONDARY CONTAINMENT PIPING	TOTAL CONTAINMENT
25	3" PROCESS PIPING	SCH 40 C.S.R. BLACK
26	6" FLEXIBLE PIPE & 30" LG	TOTAL CONTAINMENT
27	3" 45 DEGREE ELBOW SCH 80 CL 3000#	BLACK
28	3" CLOSE NIPPLE SCH 40	BLACK C.S.R.
29	3" VAPOR VENTS	SPW P33-1000
30	3" FLEXIBLE PIPE & 30" LG	TOTAL CONTAINMENT
31	6" CONDUIT SEAL	CROUSE-HINDS
32	6" PIPE 18"	SCH 40 C.S.R. BLACK
33	JUNCTION BOXES 3" NEM. EXP. PROOF APPLETON	
34	6" X 3" NPT HEX BUSHING C.S.R. 3000# BLACK	
35	LEVEL PROBE - DIESEL SENSOR 00-0100 SERIES R.F. PER THE PROJ LEVEL CONTROL (SEE NOTE 7)	
36	PRO SENSOR "DO FLO" SOLVENT PUMP & P.P. 130 V (WITH: CONTRACTOR TO DETERMINE AVAILABILITY OF 30 OR 10 PLUGS AT ONE 10 WIRE DATAPLE PUMP AS REQUIRED) OPTIONAL (P-1-1-0-0)	
37	3" PRO SENSOR "DO FLO" SOLVENT LEAK DETECTOR	
38	3" X 3/4" NPT HEX BUSHING C.S.R. 3000# BLACK	
39	3" FLANGE 1500# CL SCH 80 BLACK	
40	3" X 3 1/2" O.D. REDUCING 1500# CL SCH 80 BLACK	
41	3" FULL COUPLING 3000# C.S.R. SCH 80 BLACK	
42	3" CAP 3000# C.S.R. SCH 80 BLACK	
43	3" PLUG HEX HD. C.S.R. SCH 80 BLACK	
44	3" BALL VALVE, FULL PORT, SCH 80 CAST C.S.R. BODY STAIN. STL BALL, PTFE SEALS, HORDERSEAL W/E	

03	REVISED PER SAFETY-KLEEN CORPORATION REQUIREMENTS & AND APPROVALS	BB	11/20/91
01	ADD'D. PROJ. LEAK DETECTOR	JHD	4/25/91

DOUBLE WALL GLASTEEL TANK FOR SECONDARY CONTAINMENT - CASE 2 SHEET 1 OF 3

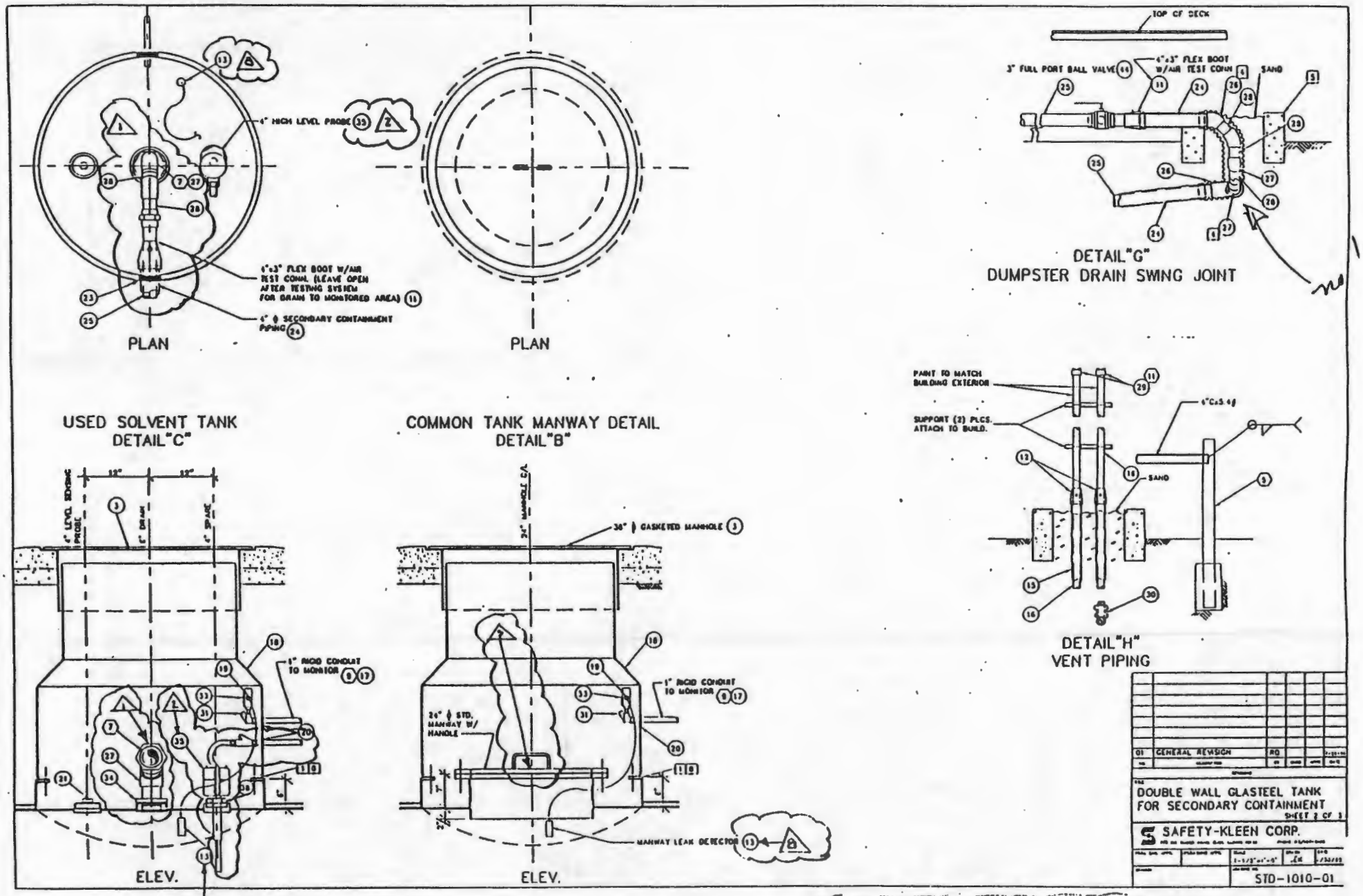
SAFETY-KLEEN CORP.

1/2"=1'-0" | JEK | 1/19/91 | STD-1009-02

ADD'L FIELD NOTES RCS 2/20/92

10. TANKER FILL LINE INSTALLED HERE

11. TANK VENT INSTALLED HERE



(SEE FIELD NOTES ON A-1)

WESTERN MOBILE INC.
QUALITY CONTROL
OSUNA PIT
C-144 MASONARY MORTAR SAND

DATE:	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
					100	93-100		70-100	40-75		10-35	2-15	
17-91	100.0	100.0	100.0	100.0	100.0	97.0	96.0	89.0	70.0	52.0	35.0	13.0	[illegible]
17-91	100.0	100.0	100.0	100.0	100.0	97.0	95.0	89.0	73.0	52.0	29.0	7.0	[illegible]
18-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	88.0	70.0	51.0	34.0	9.0	[illegible]
19-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	87.0	71.0	54.0	37.0	10.0	[illegible]
19-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	86.0	67.0	40.0	18.0	2.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	97.0	97.0	87.0	63.0	42.0	21.0	3.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	99.0	97.0	88.0	66.0	47.0	28.0	4.0	[illegible]
11-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	88.0	67.0	50.0	31.0	8.0	[illegible]
6-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	87.0	75.0	63.0	46.0	12.0	[illegible]
2-91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	90.0	74.0	58.0	40.0	12.0	[illegible]
7-91	100.0	100.0	100.0	100.0	100.0	97.0	97.0	91.0	74.0	57.0	37.0	8.0	[illegible]
23-91	100.0	100.0	100.0	100.0	100.0	100.0	97.0	91.0	77.0	55.0	39.0	13.0	[illegible]
7-91	100.0	100.0	100.0	100.0	100.0	100.0	95.0	94.0	81.0	65.0	46.0	12.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	98.0	96.0	86.0	62.0	42.0	24.0	4.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	99.0	96.0	89.0	71.0	53.0	34.0	6.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	97.0	97.0	84.0	37.0	35.0	19.0	4.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	99.0	96.0	90.0	72.0	54.0	33.0	5.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	97.0	94.0	87.0	61.0	40.0	27.0	4.0	[illegible]
	100.0	100.0	100.0	100.0	100.0	97.0	95.0	84.0	70.0	55.0	35.0	7.0	[illegible]
	100.0	100.0	100.0	100.0	100.0	97.0	98.0	77.0	76.0	54.0	31.0	7.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	99.0	98.0	88.0	67.0	43.0	28.0	7.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	97.0	96.0	87.0	70.0	48.0	27.0	6.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	95.0	97.0	77.0	78.0	56.0	37.0	7.0	[illegible]
91	100.0	100.0	100.0	100.0	100.0	98.0	97.0	90.0	72.0	51.0	31.0	10.0	[illegible]

	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
	100.0	100.0	100.0	100.0	100.0	98.2	92.6	88.9	70.0	50.9	31.9	6.7	[illegible]

RHC
SAFETY KLEEN JOB

WESTERN MOBILE INC.
QUALITY CONTROL
OSUNA SOURCE HOT PLANT STOCK PILE
NATURAL FINES

	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
91	100.0	100.0	100.0	100.0	100.0	83.0	81.0	74.0	55.0	10.0	26.0	13.0	[illegible]
91	100.0	100.0	100.0	100.0	97.0	84.0	82.0	77.0	58.0	44.0	28.0	12.0	[illegible]
	100.0	100.0	100.0	100.0	95.0	84.0	82.0	74.0	56.0	40.0	26.0	13.0	[illegible]
	100.0	100.0	100.0	100.0	94.0	85.0	87.0	76.0	76.0	37.0	21.0	6.0	[illegible]
91	100.0	100.0	100.0	100.0	95.0	81.0	87.0	76.0	61.0	15.0	29.0	12.0	[illegible]
	100.0	100.0	100.0	100.0	97.0	83.0	81.0	71.0	57.0	41.0	26.0	12.0	[illegible]
	100.0	100.0	100.0	100.0	95.0	91.0	79.0	77.0	54.0	47.0	32.0	17.0	[illegible]
91	100.0	100.0	100.0	100.0	91.0	86.0	83.0	75.0	60.0	43.0	27.0	12.0	[illegible]

7-24-91	100.0	100.0	100.0	100.0	97.0	83.0	91.0	74.0	58.0	41.0	25.0	12.0
[illegible]-91	100.0	100.0	100.0	100.0	87.0	76.0	74.0	66.0	48.0	32.0	19.0	5.0
[illegible]-91	100.0	100.0	100.0	100.0	95.0	83.0	82.0	76.0	61.0	45.0	29.0	13.0
[illegible]-91	100.0	100.0	100.0	100.0	81.0	69.0	68.0	61.0	50.0	37.0	25.0	11.0
7-4-91	100.0	100.0	100.0	100.0	93.0	83.0	81.0	70.0	47.0	31.0	15.0	5.0
[illegible]1-91	100.0	100.0	100.0	100.0	91.0	80.0	78.0	69.0	47.0	29.0	14.0	5.0
[illegible]1-91	100.0	100.0	100.0	100.0	90.0	80.0	78.0	70.0	52.0	35.0	20.0	6.0
[illegible]-91	100.0	100.0	100.0	100.0	96.0	90.0	89.0	83.0	61.0	35.0	15.0	4.0
[illegible]-91	100.0	100.0	100.0	100.0	87.0	80.0	79.0	73.0	59.0	43.0	28.0	7.0
[illegible]1-91	100.0	100.0	100.0	100.0	90.0	80.0	78.0	72.0	57.0	40.0	25.0	8.0
[illegible]1-91	100.0	100.0	100.0	100.0	91.0	84.0	81.0	77.0	53.0	47.0	32.0	11.0

[illegible]:	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
	100.0	100.0	100.0	100.0	92.9	82.4	80.8	73.5	56.4	39.6	24.2	9.6	4.9

WESTERN MOBILE INC.
QUALITY CONTROL
OSUNA PIT SOURCE
CRUSHER FINES

[illegible]E:	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
[illegible]7-90	100.0	100.0	100.0	100.0	75.0	48.0	43.0	32.0	23.0	21.0	15.0	9.0	5.1
[illegible]-91 90	100.0	100.0	100.0	100.0	82.0	55.0	51.0	33.0	27.0	23.0	18.0	12.0	4.7
[illegible]-91	100.0	100.0	100.0	100.0	78.0	53.0	47.0	35.0	26.0	23.0	16.0	9.0	7.7
[illegible]-90	100.0	100.0	100.0	100.0	75.0	47.0	42.0	30.0	22.0	19.0	17.0	8.0	5.8
[illegible]-91	100.0	100.0	100.0	100.0	80.0	54.0	50.0	35.0	25.0	23.0	17.0	11.0	5.7
[illegible]-91	100.0	100.0	100.0	100.0	71.0	46.0	45.0	31.0	21.0	13.0	10.0	6.0	4.0

[illegible]ARE:	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
	100.0	100.0	100.0	100.0	76.8	50.5	46.3	33.8	24.0	20.3	15.5	9.2	5.3

WESTERN MOBILE INC.
QUALITY CONTROL
OSUNA PIT SOURCE
17 ROUND SIZE 57

[illegible]:	1	3/4	1/2	3/8	4	8	10	16	30	40	50	100	200
[illegible]:	95-100		25-60		0-10	0-5							
[illegible]	100.0	87.0	47.0	17.0	3.0	4.0	1.0	1.0	1.0	1.0	1.0	3.0	1.0

CATHODIC PROTECTION INSTALLATION REPORT

PREPARED FOR

SAFETY KLEEN CORPORATION
2720 GIRARD BLVD. N.E.
ALBUQUERQUE, NEW MEXICO

PREPARED BY

TANK PROTECTION CORPORATION
7815 CALLE DE PLATA N.E.
ALBUQUERQUE, NEW MEXICO

FEBRUARY, 1992

Tank Protection Corporation

7815 Calle De Plata N.E.
Albuquerque, N.M. 87109
Phone 505-823-9145
Fax 505-821-6646
N.M. License 030090

2/19/92

RHC, Inc.
P.O. Box 720
Peralta, New Mexico 87042

Attn: Bob Chapel

Subject: Cathodic Protection Installation
Safety Kleen Corporation
Albuquerque, New Mexico

Gentlemen:

On February 18, 1992, Tank Protection Corporation installed a sacrificial type cathodic protection system on two (2) - 12,000 gallon underground hazardous waste tanks for Safety Kleen Corporation. The purpose of the work performed was to provide corrosion control protection to the FRP coated steel as part of a new addition to the site.

This report is sent to detail the construction procedures and corrosion testing results of this installation.

GENERAL INFORMATION

During the month of February, 1992, a cathodic protection groundbed was installed by Tank Protection Corporation at the referenced location to provide protection for the buried fuel tanks. The lines were electrically isolated from the tanks through dielectric unions. The lines are steel, provided with dual wall construction with an outer fiberglass piping. The installation if part of an overall effort by Safety Kleen Corporation to implement a corrosion control system to comply with new E.P.A. and E.I.D. regulations on underground waste storage tanks and piping. Prior to the installation of the cathodic protection, tank and line integrity was verified by pressure testing. A Veederoot Electronic Monitor is being installed by RHC for future leak evaluation and inventory control.

INSTALLATION PROCEDURES

Initially, seven (7) anode holes were dug through the use of a post hole digger to a depth equal to the centerline of the tanks or four feet from

the present grade. Three (3)- 17 lb. High Potential Dow Galvamag anodes were buried at the center points along the sides and between the center tank as shown in the as-built drawings. Four (4)- 9 lb. Dow Galvamag anodes were buried at the ends of the tanks as shown on the drawings. Anode wires were then run into a Gerome-Flush-to-grade test station to be set to grade as the concrete cover is poured. All anode wires were connected to terminals in the test station labeled "A and W" as shown in the drawings. White wires were then mechanically attached to the lifting eye of the tanks so as to not damage any fiberglass coating on the tanks. Two (2) sets of bond wires were run from tank to tank to ensure electrical continuity of the two (2) tanks. Two white, #12 THHN insulation wires were run from each tank to the test station. The wires terminate in the test station at terminals marked "N & S." One wire from the south tank was run to a separate terminal to provide the system negative, connected to the anodes on the back of the terminal with a Holloway Type RS- .01 ohm shunt.

By providing electrical continuity between the tanks, the system becomes one (1) cathodic protection system protecting two (2) tanks. If continuity is not provided, the system becomes two (2) cathodic protection systems operating independently. Galvanic soil corrosion can actually result between the tanks as potentials vary between the tanks. As verified in the test results of this report, the potentials of both tanks are identical. The design life of the cathodic protection is well over 30 years. Anodes and tanks were made electrically continuous by installing a Type RS-.01 ohm shunt between terminals in the test station. This method of installation allows the current output of the anodes to be recorded, which in turn determines the life of the anodes.

TEST PROCEDURES

The following is a description of the various test methods employed during this survey.

a) SOIL RESISTIVITY MEASUREMENT

Soil resistivity was measured to determine the relative corrosivity of the native soils and the wet sand backfill in which the subject structures were buried. The Wenner 4-Pin method (ASTM Standard G57-78) was used which involves driving four steel pins into the earth in a straight line, equally spaced, with pin spacing equal to the depth to which knowledge of the average soil resistivity is desired. The average soil resistivity is a function of the voltage drop between the center pair of pins with current flowing between the two outside pins. For a given pin spacing, the first step is determination of a value of resistance (in ohms) between the center pair of pins. This value is read directly off the face of the meter used in this survey, a Nilsson Model 400 soil resistance meter. The measured value of resistance is then multiplied by a factor to obtain the average soil resistivity. This factor is 191.5 times the pin spacing in feet. Soil resistivity is then expressed in ohm-centimeters and tabulated in the data section of this report. Soil resistivity was measured to depths of five and ten feet at representative locations.

b) STRUCTURE-TO-SOIL POTENTIAL MEASUREMENTS

Structure-to-soil potential measuremnts were obtained and recorded on the tanks and lines using a high input impedance voltmeter in conjunction with a copper-copper sulfate reference electrode. The structure being tested was connected to the positive terminal of the voltmeter with the negative terminal being connected to the reference electrode. The electrode was then placed contacting the soil directly over or adjacent to the structure.

According to National Association of Corrosion Engineers (NACE) Standard RP-01-69, 1983 Revision, cathodic protection is achieved when the structure-to-soil potential is negative 850 millivolts or more in negative magnitude. Tanks were considered protected when the potentials satisfied this criteria.

RESULTS AND ANALYSIS

Corrosivity of soil is very often an inverse function of the resistivity; soils with low resistivity are likely to be more corrosive than soils of high resistivity. The following is a table of the generally accepted categories of the corrosivity of soils with repsect to buried steel structures:

Below 500 ohm centimeters	Extremely Corrosive
500-1,000	Corrosive
1,000-2,000	Moderately Corrosive
2,000-10,000	Mildly Corrosive
10,000 and above	Progressively Less Corrosive

The native soil resistivity at the Safety Kleen location at 2720 Girard Blvd. was 980 ohm/cm at the five foot depth and 1,020 at the ten foot depth, respectively. This native soil resistivity is considered corrosive to buried steel, and a rapid rate of corrosion would be anticipated on unprotected steel. The resistivity of the sand backfill saturated with water was 8,850 ohm/cm at the five foot depth and 8,880 at the ten foot depth. This resistivity is considered progressively less corrosive to buried steel.

Structure-to-soil potentials were measured at each tank and isolated line. These measurements assist in determining electrical discontinuity of the structures (tanks and flow lines) and the corrosion pattern which exists. Native potentials ranged from -452 mv. to -486 mv. on the unprotected tanks and piping. These overall readings verify that the structures were unprotected from corrosion and were in a state of active soil side corrosion. After cathodic protection was installed, the electrical potentials of the tanks rose to -1.575 volts, verifying corrosion protection had been achieved. Electrical potentials of the lines verified electrical isolation from the tanks.

RECOMMENDATIONS

1. Have T.P.C. perform an inspection survey within six (6) months of installation, by August, 1992, and subsequently every three (3) years thereafter, as required by E.I.D.

DISCUSSION OF THE CORROSION MECHANISM AND CATHODIC PROTECTION

Corrosion of underground steel fuel tanks and piping is an electrochemical reaction between the metal and the soil in which these structures are placed and takes the form of corrosion cells on the surface of the steel. These cells generate current which is discharged at various locations on the structures. It is at these locations where the ions of metal discharge into solution and corrosion occurs. The points of current discharge are called "anodic areas." The areas of the structure which receive the current generated by the corrosion cells are referred to as "cathodic areas" and will actually be protected against corrosion. This explains why areas of any metal structure appear to be relatively unaffected by active corrosion cells.

Corrosion control methods which take the form of tapes, coatings, or wraps can play an important role in slowing the corrosion process (they actually can complement cathodic protection systems by reducing current demands). Unfortunately, no coating is completely effective due to imperfections which occur during application and unavoidable damage during structure transport, installation and backfilling. The discharge of current as previously described may concentrate at these holiday locations. Significant corrosion can occur at these holiday locations as relatively large amounts of metal ions can be lost within a very small area of steel. For this reason, a coated tank will typically experience a corrosion leak before a bare tank.

Cathodic protection has the unique ability to mitigate corrosion at its source. Since corrosion damage occurs at anodic areas, eliminating or significantly minimizing the outflow of current at these locations will result in corrosion mitigation. Current discharge from anodic areas of the structure can be controlled by introducing a low voltage DC current from an external source to oppose and overcome these corrosion cells. Not just any amount of current will provide effective cathodic protection. The amount of current required depends on coating quality, soil conductivity, and the desired design life. Specific criteria for achieving cathodic protection has been established by the National Association of Corrosion Engineers.

By taking the value of current (in milliamperes) necessary to protect the two (2) tanks, and dividing it by the total square footage of exterior steel in the tank set, a current density value was calculated. This value was expressed in milliamperes per square foot and was an indication of the coating efficiency for the set of tanks. The tanks installed have a coating efficiency of 99.7%. The coating and efficiency of the coating is excellent.

The two types of cathodic protection systems are sacrificial and impressed current. Sacrificial systems utilize anodes which generate their own current when placed in the soil and do not require AC electrical power. The chief advantage of these systems is their simplicity. Unfortunately, sacrificial systems do not distribute current well in soils which do not conduct current easily. These systems also have the disadvantage of possessing relatively fixed current outputs which cannot be significantly increased. Sometimes,

during periodic adjustment of the system, the corrosion engineer may decide to increase current output to provide continued protection of the steel tanks and piping.

Impressed current systems, although requiring AC electrical power to energize the anodes, can be adjusted periodically to compensate for changing environmental conditions. This flexibility allows these systems to perform well under diverse soil conditions to achieve the desired design life.

Cathodic protection systems by their very nature are inconspicuous and can be overlooked by maintenance personnel. The maintenance of these systems is actually quite minimal and includes simple electrical potential readings and an annual test by qualified corrosion engineering personnel. Proper system maintenance is in the best interest of Tank Protection Corporation and our customers.

Tank Protection Corporation is uniquely qualified to provide all engineering design, materials, and installation for your client's cathodic protection requirements. We have a sincere and earnest desire to work with you on this important phase of meeting E.P.A. regulations. Should you have any questions or if we can offer any assistance, please do not hesitate to contact us.

Very truly yours,

Bob Garlinger

Bob Garlinger
President
Tank Protection Corporation

BG/ke

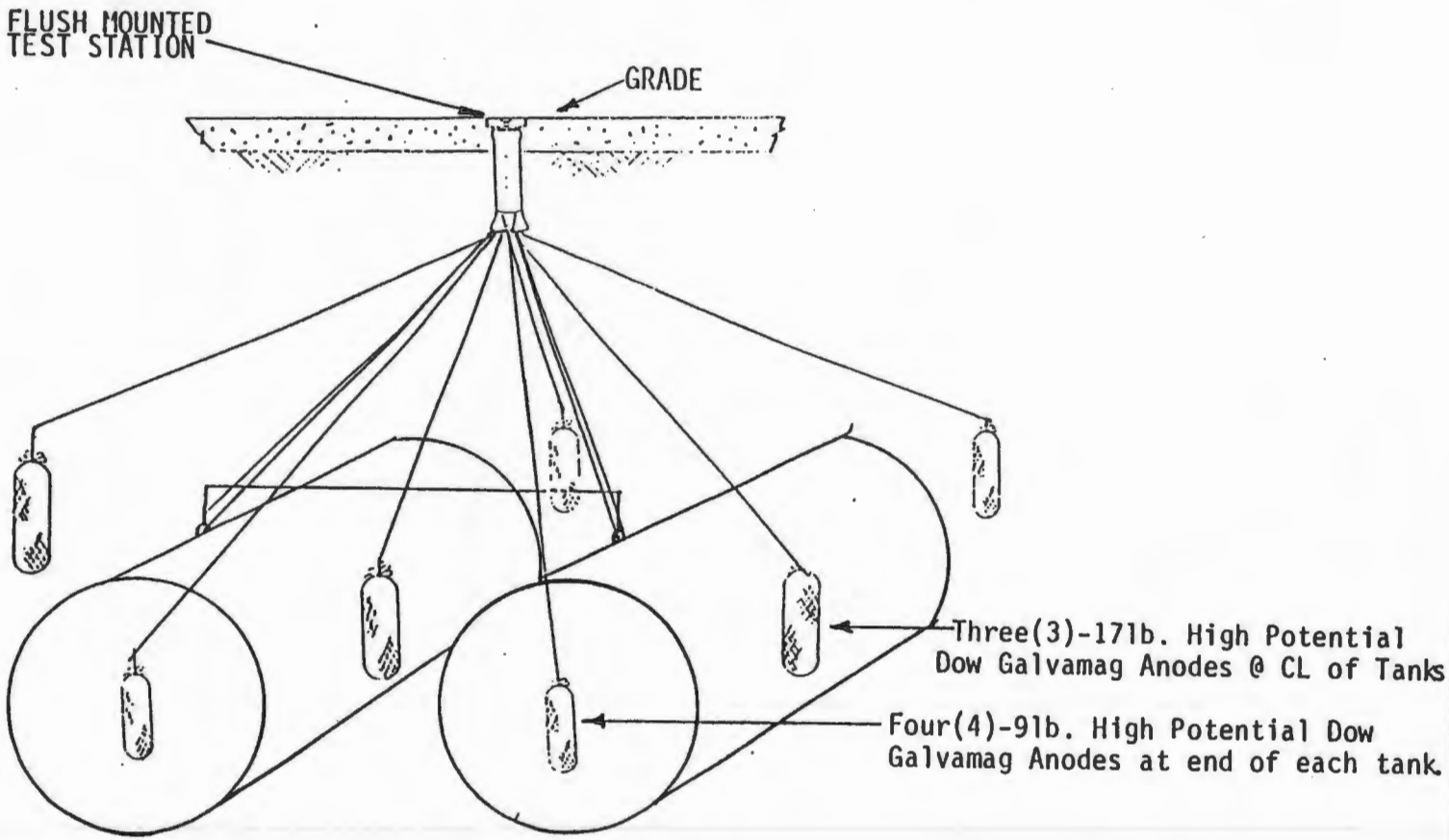
DATA

CATHODIC PROTECTION FIELD DATA

Owner: Safety Kleen Corporation Date: 2/19/92 Surveyed By: Bob Garlinger
Project: Cathodic Protection Location: 2720 Girard Blvd.- Albuquerque

No.	TEST POINT LOCATION	Soil Resistivity (Ohm-Centimeters)				P/S Potential (Millivolts)	
		5'	10'	15'	PROBE	LOCATION	VALUE
1	North Tank (12,000 Gallon)					Off -452	On -1.575
2	South Tank (12,000 Gallon)					-486	-1.575
3	Piping- North Tank (Isolated)					-475	-475
4	Piping- South Tank (Isolated)					-468	-468
5	Native Soil- West of Tanks	980	1,020				
6	Wet sand backfill	8,850	8,880				

AS-BUILT DRAWINGS



NOTES:

(1) Anodes installed 3'-5' Off Tanks and to a Minimum Depth Equal To The Centerline Of Tanks.

(2) Lead Wires Connected To Tanks at Lifting Eyes and Coated with Fiberglass Coating.

Tanks are bonded with 2-#12 THHN white cables.
Lead wires to tanks are 2-#12 THHN white cables.

Tank Protection Corporation

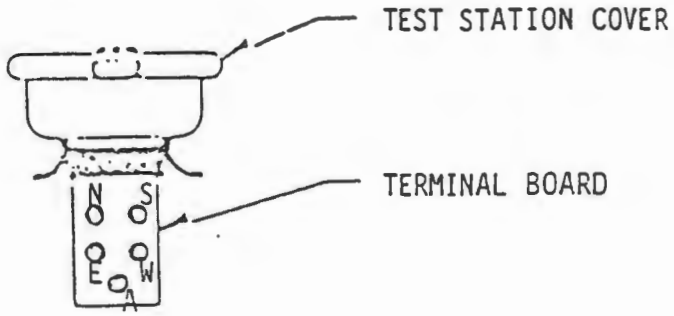
DRAWN BY: Bob Garlinger

DATE: 2/19/92

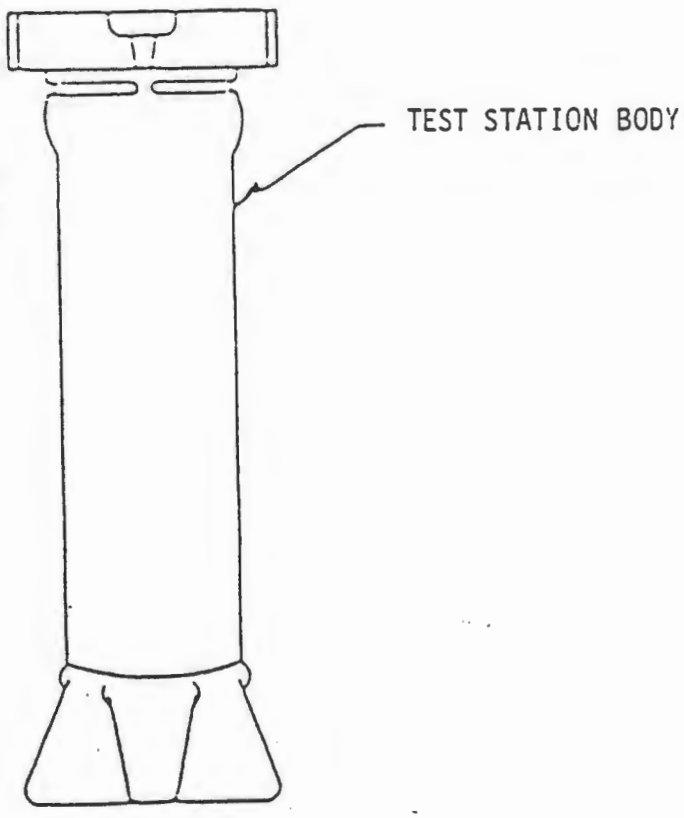
NO. T-00123

CATHODIC PROTECTION
MAGNESIUM ANODE INSTALLATION
SAFETY KLEEN CORPORATION

92-403-19
B-22



1. N-One #12 THHN White Wire to North Tank.
2. S-Two #12 THHN White Wires to South Tank.
3. A-Four #12 THHN Black Anode Wires to Terminal.
4. W-Three #12 THHN Black Anode Wires to Terminal.
5. E-System negative to Tank
6. E, A, & W connected with Holloway Type RS-.01 ohm Shunt



NO.	DATE	BY	REVISION

Tank Protection Corporation

DRAWN BY: BG
DESIGNED BY: BG
DATE: 2/19/92
DRAWING NUMBER: T-00124

CATHODIC PROTECTION
TEST STATION DETAIL
SAFETY KLEEN CORPORATION
ALBUQUERQUE, NEW MEXICO

DESIGN CALCULATIONS

CATHODIC PROTECTION
DESIGN CALCULATIONS
UNDERGROUND HAZARDOUS WASTE TANKS
SAFETY KLEEN CORPORATION

SURFACE AREA

Tanks

1. 2-12,000 Gallon-Fiberglass Coated Steel
   8' X 32' = 904 $Ft.^2$ X 2 = 1,808 $Ft.^2$

CURRENT REQUIREMENT

1,808 $Ft.^2$ X .002 $A/Ft.^2$ X .0275* = .099 Amperes

* Coating Efficiency-99.97%

17lb. $i_m = \frac{150{,}000 \quad fY}{p}$ $\qquad i_m = \frac{150{,}000 \times 1.00 \times 1.00}{8850} = 16.95$ ma

9lb $i_m = \frac{150{,}000 \quad fY}{p}$ $\qquad i_m = \frac{150{,}000 \times .71 \times 1.00}{8850} = 12.04$ ma

i_m = 16.95 X 3 + 12.04 X 4 = 99.01 ma

i_m = current output for magnesium anode, milliamperes
p = soil resistivity
f = factor from corrosion manuals
Y = correction factor for resultant pipe-to-soil potential values from Table II

$\frac{\text{Total Current-.099}}{\text{Anode Output -.099}}$ = Use 4- 9lb and 3- 17lb High Potential Dow Galvamags

Design is based on desirable pipe-to-soil of -.85 volts with average soil resistivity of 8,850 ohm/cm.

ANODE LIFE

$$Y = \frac{\text{Weight of anodes in lbs. X (Ampere-hours per lb yr rating for metal)}}{\text{Current output X 8,760*}}$$

$$Y = \frac{87 \times 500}{.099 \times 8{,}760} \qquad \frac{43{,}500}{867} = 50.17 \text{ Years}$$

* 8,760 = number of hours in a year

Bob Garlinger

Bob Garlinger
Corrosion Technologist
NACE Registration #3774

BOB GARLINGER

PRESIDENT
TANK PROTECTION CORPORATION
ALBUQUERQUE, NEW MEXICO

EDUCATION

Associate of Arts, New Mexico State University- 1978
Bachelor of Business Administration, New Mexico State University- 1979

NACE Basic Corrosion Course- 1982
NACE Corrosion Prevention By Cathodic Protection- 1983
NACE Corrosion Prevention In Oil & Gas Production- 1985

Goodall Electric Cathodic Protection Rectifier Service School & Design of Rectifiers- 1982

NACE Accredited Corrosion Technologist

PROFESSIONAL EXPERIENCE

Tank Protection Corporation, Albuquerque, New Mexico 1989

President- Responsible for all corporation activity in sales, design, and installation of cathodic protection systems.

Harco Technologies Corporation, Albuquerque, New Mexico 1989

Western Area Sales Manager- Responsible for cathodic protection sales and manager of operations for Phoenix, San Francisco, Huntington Beach, and Billings, Mt. offices.

Harco Technologies Corporation, Denver, Colorado 1985-89

District Manager- Responsible for the sales, design, direction and coordination of engineering and construction services involving corrosion engineering and installation of cathodic protection systems for water tanks, underground fuel storage tanks, pipelines, and water treatment equipment.

Harco Corporation, Houston, Texas 1979-85

Regional Tank Manager- Responsible for the sales, design, and installation of cathodic protection systems throughout a seven state area.

SUMMARY OF MAJOR PROJECTS

Field Technician- Data retrieval system application and analysis utilizing computerized potential logging as a data base management system, Houston Pipeline Corporation, Houston, Texas.

Field Technician- Data retrieval system application using cell to cell monitoring technique on 200 miles of bare steel gas piping, Gas Company of New Mexico.

Field Technician- Cathodic protection for 90 miles of gas transmission piping, Sterling Pipeline Company, LaGrange, Texas.

Project Manager- Cathodic protection for 16 clarifier basins, 8 flocculator basins, City of Houston, East Water Treatment Plant.

Project Manager- Cathodic protection for 8 clarifier basins, 8 flocculator basins, City of Houston, Southeast Water Treatment Plant.

Project Manager- Cathodic protection and grounding design for 22 water wells, City of Houston, Houston Intercontinental Airport.

Project Manager- Cathodic protection of 8 underground fuel storage tanks and 8 water storage tanks, City of Arlington, Texas.

Project Manager- Cathodic protection of Thomas C. Green Water Treatment Plant, City of Austin, Texas.

Project Manager- Cathodic protection of 6 water storage tanks, City of Houma, Louisiana.

Project Manager- Cathodic protection for 11 Southeastern Colorado townships' gas distribution piping and tankage, Citizens Utilities, La Junta, Colorado.

Project Manager- Cathodic protection for 150 oil well casings and flow line systems, Marathon Pipeline Corporation, McCook, Nebraska.

Project Manager- Cathodic protection for 6 oil field vessels, Texaco Production and Transportation, Midland, Texas.

Project Manager- Cathodic protection for 150 Chevron service stations throughout the Rocky Mountains, Chevron USA, Denver, Colorado.

Project Manager- Cathodic protection for complete plant equipment, Chevron, USA, Evanston, Wyoming.

Project Manager- Cathodic protection for plant tank bottoms, piping, and associated equipment, Little America Refining Company, Casper, Wyoming.

Project Manager- Cathodic protection for plant tank bottoms, piping, and associated equipment, Sinclair Oil Corporation, Sinclair, Wyoming.

Project Manager- Cathodic protection for flow lines and well casings using thermoelectric generators on 14 well casings, Forrest Oil Corporation, Denver, Colorado.

Project Manager- Cathodic protection of entire base gas distribution, water, and sewer piping, U.S.A.F. Academy, Colorado Springs, Colorado.

Project Manager- Cathodic protection of 4 water storage tanks and water distribution piping, N.A.S.A.- L.B.J. Space Center, Houston, Texas.

Project Manager- Engineering survey of 35 locations with underground fuel storage tanks and associated piping, Mini-Mart, Casper, Wyoming.

Project Manager- Design and installation of cathodic protection systems at the Hunter and Huntington Power Plants, Utah Power and Light, Salt Lake City, Utah.

Project Manager- Design and installation of road casing cathodic protection, Amoco Oil Corporation, Salt Lake City, Utah.

Project Manager- Design and installation of cathodic protection on utilities, gas piping, and underground tanks, C.S.O.C., Colorado Springs, Colorado.

Project Manager- Engineering survey of 83 locations with underground fuel storage tanks and associated piping, Bell Gas Company, Roswell, New Mexico.

Project Manager- Installation of cathodic protection at 12 sites with underground fuel storage tanks, Bell Gas Company, Roswell, New Mexico.

PROFESSIONAL AFFILIATIONS

National Association of Corrosion Engineers (NACE)

American Water Works Association
- Technical Practices Committee
- AWWA D 104 Task Force-Corrosion of water and waste water equipment

Steel Plate Fabricators Association
- Steel Pipe Committee

PATENTS

U.S. Patent No. 4,936,969- Garlinger patent for ice-free cathodic protection system for water tanks, clarifiers, and waste treatment equipment.

National Association of Corrosion Engineers

This certifies that

Robert Garlinger

Has satisfied
the requirements of the Association
for recognition as a

Corrosion Technologist

Number: 3774

T S Lee

Executive Director

This certificate is the property of the National Association of Corrosion Engineers and must be surrendered when accreditation ceases.
This certificate remains in force only as long as the above named person complies with the requirements of this program.
Confirm current status by contacting NACE, P.O. Box 218340, Houston, TX 77218 USA Telex: 792310 NACLHOU

MATERIALS

Cathodic Protection Services
A LUKENS COMPANY

SACRIFICIAL ANODES-MAGNESIUM

GALVOMAG®
H-1 MAGNESIUM ALLOY (AZ-63)
CONDENSER AND MARINE HULL ANODES
H-1 TANK ANODES
EXTRUDED MAGNESIUM

BUYERS GUIDE

Magnesium is the most widely used metal in sacrificial anodes for earth buried structures and certain aqueous environments. It is generally effective and economical. Magnesium has the highest driving potential of any sacrificial anode. It is used for most direct earth burial applications and in higher resistivity, aqueous electrolytes.

Magnesium anodes are available in a wide variety of forms and weights for numerous applications. The following catalog detail sections will be helpful in product selection. General considerations include:

- High potential (1.75-1.77 volt) and efficient GALVOMAG® is made from primary magnesium produced from seawater, is widely used and should be considered especially in high resistivity soils over 1500 ohm-cm and in fresh water.

- H-1 Magnesium Alloy is normally produced from scrap magnesium, has a lower driving potential, and finds application especially in low-resistivity soils, under 1500 ohm-cm, and is often used in seawater and produced brines.

The products in this section are organized into GALVOMAG, H-1 Magnesium Alloy, Condenser and Marine Hull Anodes, Tank Anodes and Extruded Magnesium. A product and code description chart has been developed for each category. Ordering codes can thereby be developed in line with the standard products shown in the tables, which correspond with the product drawings.

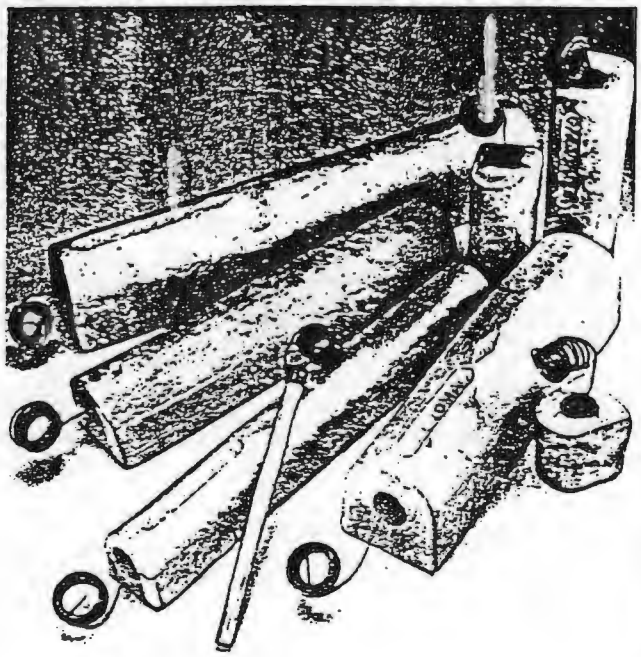
Products listed in the tables are available. Products derived from the code charts, not shown in the tables, may not be available from our stock; please call your nearest CPS office for specific applications.

GALVOMAG® is a registered trademark of The Dow Chemical Company.

Cathodic Protection Services
A LUKENS COMPANY

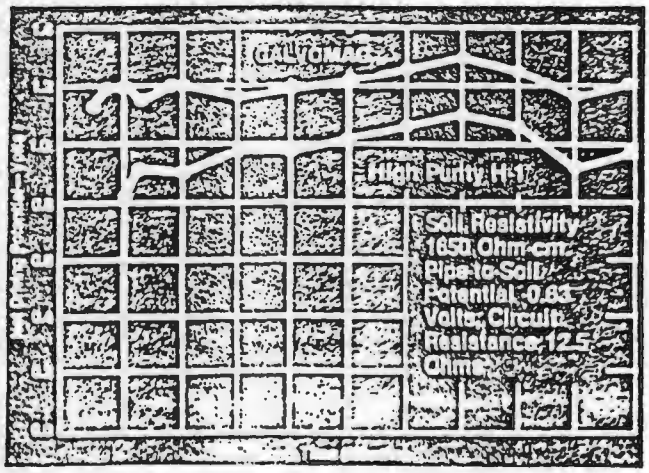
Sacrificial Anodes-Magnesium

GALVOMAG® MAGNESIUM ANODES



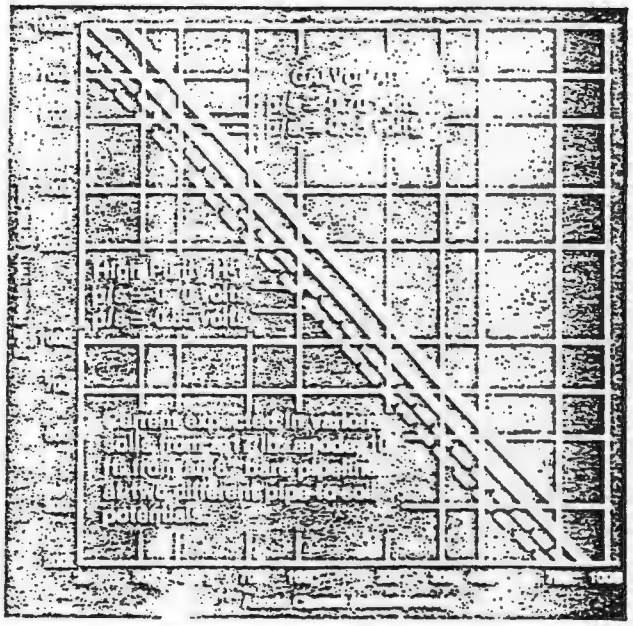
Product Description. A sacrificial anode cast of primary magnesium from seawater. Special alloying process provides an average 250 mv higher driving potential than conventional H-1 anodes (See Chart #1), resulting in substantially more current output.

Chart #1. Net Driving Potential of GALVOMAG® and High Purity H-1 Anodes.



Applications. High current output (See Chart #2) makes GALVOMAG magnesium anodes ideal for use in higher resistivity electrolyte installations. Anode can be used in virtually all types of electrolyte with satisfactory results. In many cases, the use of GALVOMAG anodes will reduce the number of anodes required and, therefore, the cost of installation.

Chart #2. Current Output of GALVOMAG® and High Purity H-1 Anodes.



GALVOMAG® Specifications
Compositional Specifications, % by weight.

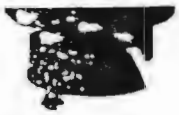
Element	GALVOMAG
Al	0.010% Max.
Mn	0.50 to 1.30%
Cu	0.02% Max.
Ni	0.001% Max.
Fe	0.03% Max.
Other	0.05% each or 0.30% Max. Total
Magnesium	Remainder

GALVOMAG® is a registered trademark of The Dow Chemical Company.

CATHODIC TERMINAL BOXES

92-403-19
B-33

Designed specifically for larger-wire type installations



1. ABOVE
*TP2-1. One terminal for 2 wires (Iron Lid also available.)

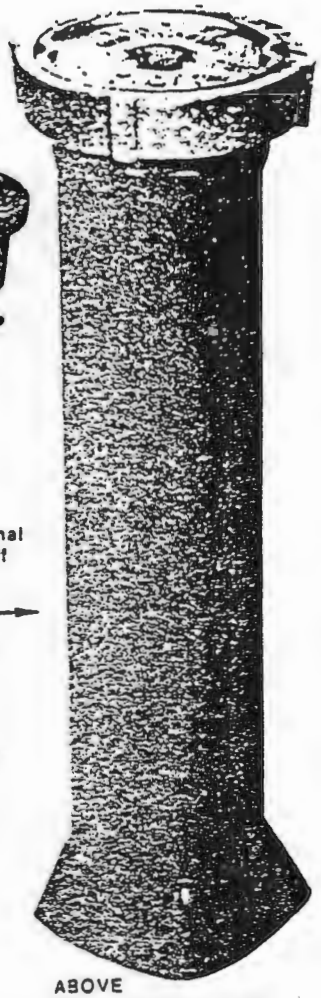
2. ABOVE
TP2-2. Two terminals for two wires. (Iron lid also available.)

3. ABOVE
TP2-5. Five terminals for five wires. (Iron lid also available.)

ABOVE
TI4-5PJ2 cap and terminal block with post-type terminals and two brass jumpers.

ABOVE
TI4-5P cap and terminal block; with feed-through, post-type terminals.

ABOVE
TI4-5 cap and terminal block; with stand-off type terminals.



ABOVE
Heavy-duty 4" I.D. terminal box with cast-iron flanged top.

- 4" I.D. box has cast-iron lid and flange to withstand heavy traffic
  - Magnets available at extra cost
- 2⅜" I.D. box available with either a black plastic cap lettered "TEST STATION" (TP model) or a black cast-iron cap lettered "TEST" (TI model)
  - Permanent magnet installed on all TP2 and TI2 models to facilitate locating with dip needle or magnetic locators. In addition, all TP2 (Plastic lid) models have reflectors installed to attract electronic finders.
- Terminal block secured in place beneath lid which has unique new positive locking mechansim
- Entire lid assembly easily lifted for testing
- "Tamper-proof" (pentagon wrench required for removal)
- Wires attached to lid so no need to "fish" for them
- Flared bottoms prevent settling and unauthorized pullout

LEFT
2⅜" I.D. terminal box with straight top (no flange). For flanged top, and cast-iron lid, see close up photo on facing page.

HOW TO ORDER TERMINAL BOXES

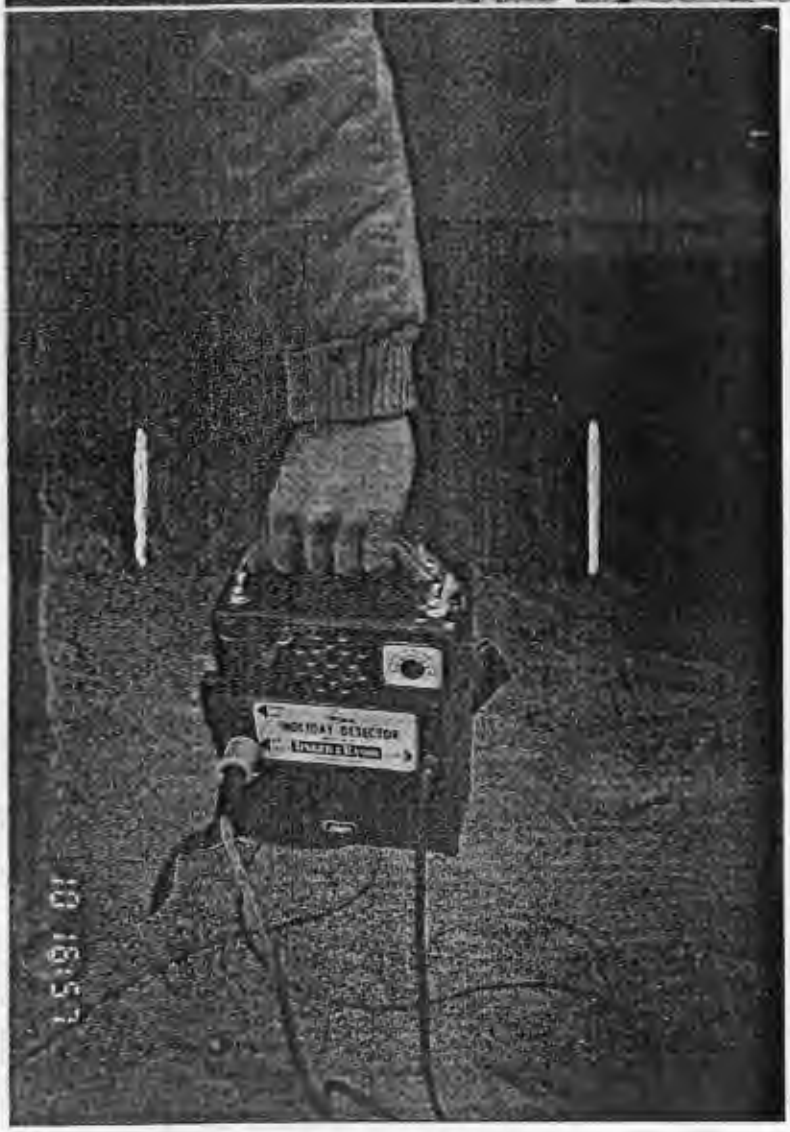
T I F 2 - 1 P J2

- T = Terminal Box
- I = Iron Lid
- P = Plastic Lid
- F = Flanged Top (omit for straight top) 2" box only.
- 2 = 2⅜" I.D. Tube (Length = 15")
- 4 = 4" I.D. Tube (Length = 18")
- 1 = 1 terminal
- 2 = 2 terminals
- 5 = 5 terminals
- P = Feed-through post-type terminals
- J2 = Two brass jumpers for connecting terminals

*If Terminal Board is desired order TP2-1B or TI2-1B

HANDLEY INDUSTRIES, INC. · 2101 BROOKLYN ROAD · JACKSON, MICHIGAN 49203 · (517) 787-8821

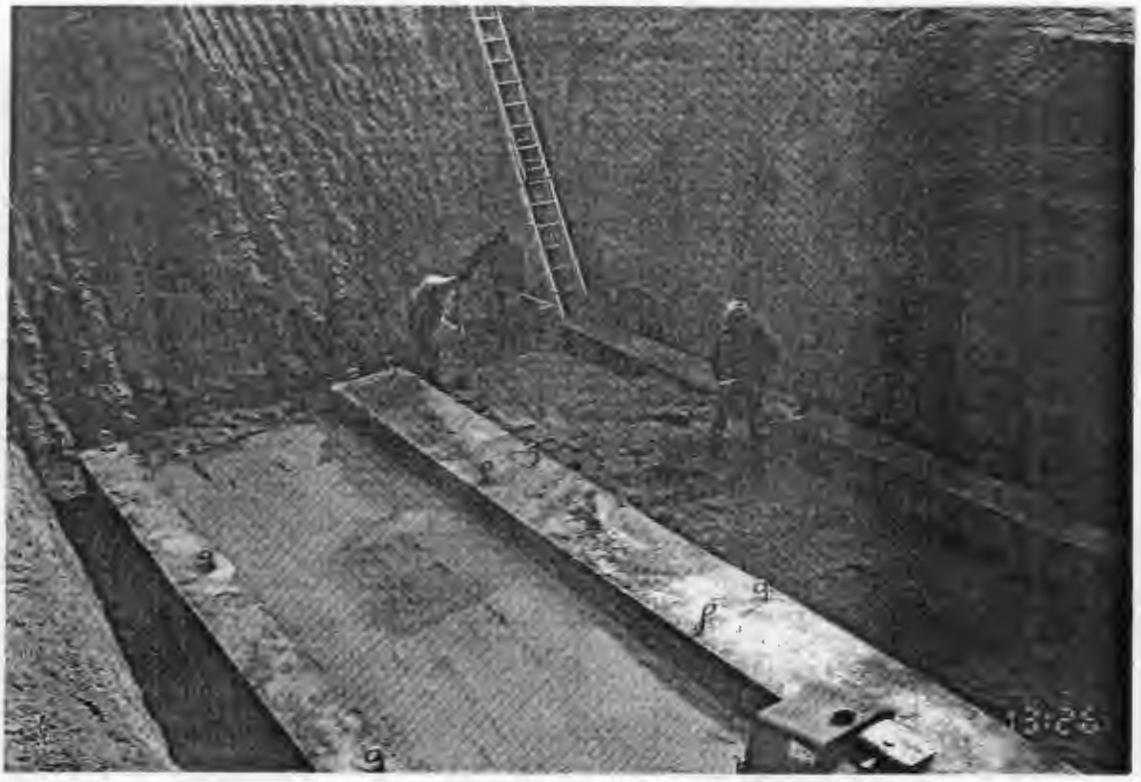
"GLASTEEL" TANK UNDERGOING AIR TIGHTNESS TESTING



HOLIDAY TEST MACHINE

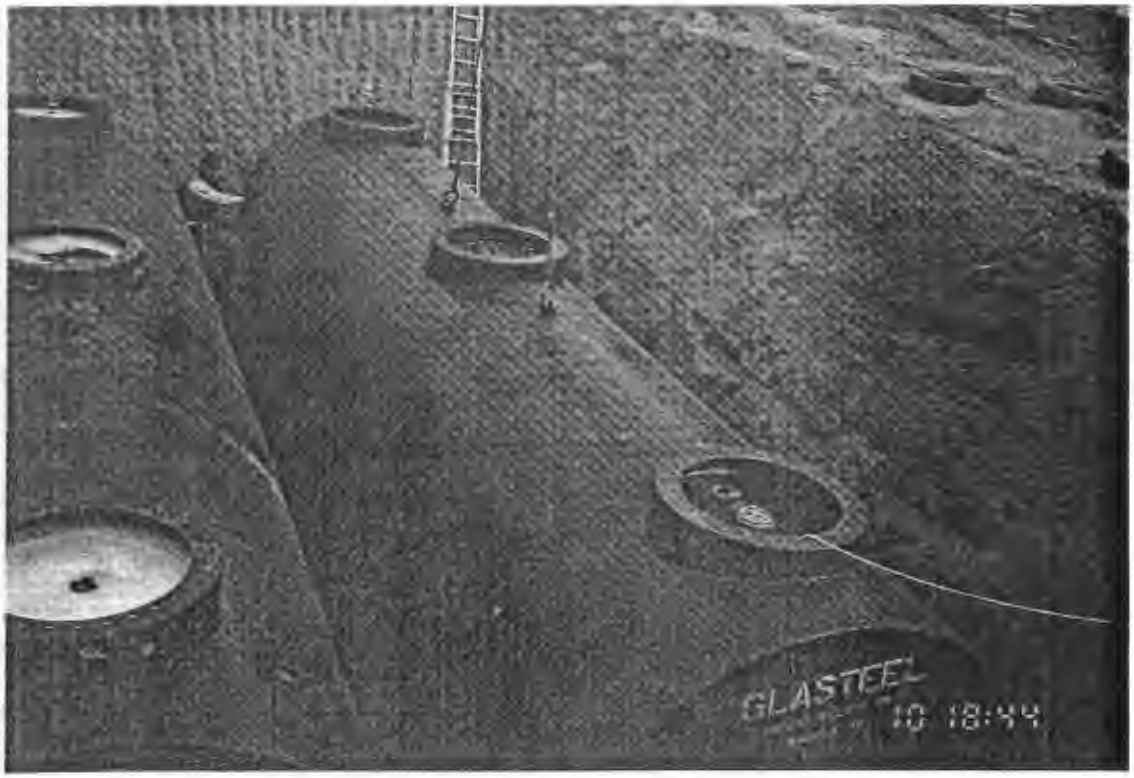
TANK HOLIDAY TESTING UNDERWAY

TANK EXCAVATION

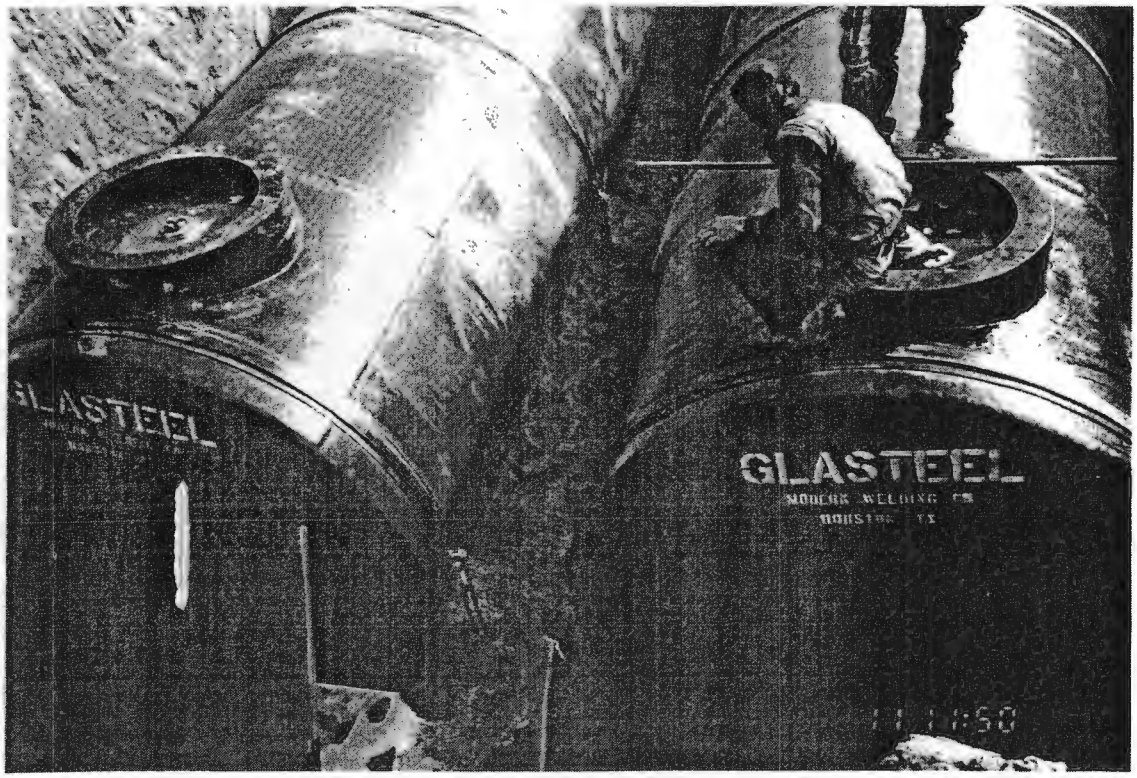


TANK ANCHORAGE DEADMEN

TANK BEDDING IN PLACE



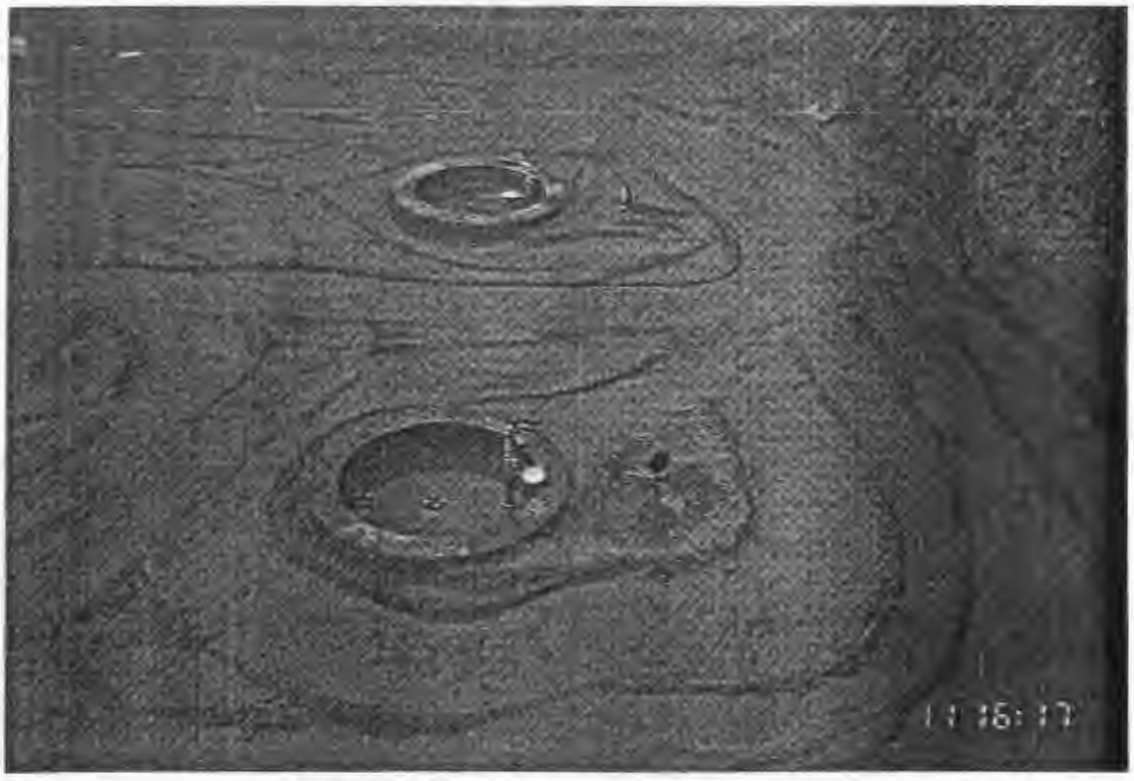
USED SOLVENT TANK BEING LOWERED INTO PLACE



TANK STRAPS AND TURNBUCKLES

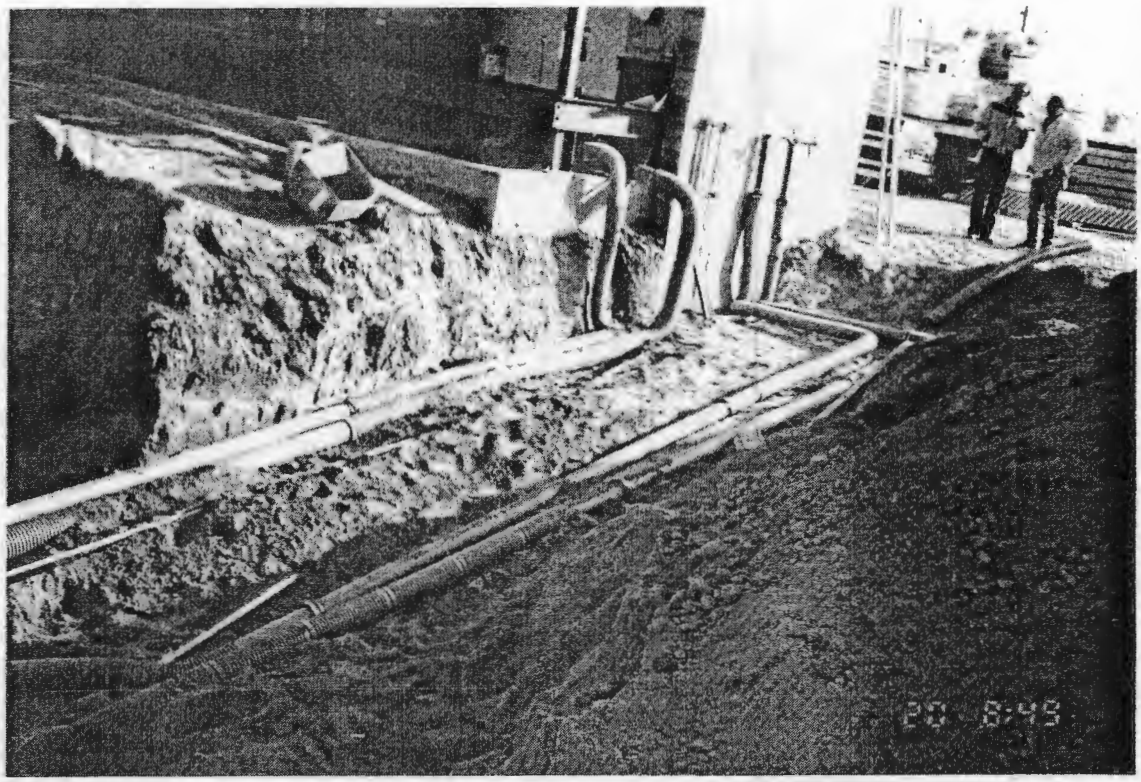
BACKFILL COMPACTION UNDERWAY

TANK BACKFILLING UNDERWAY

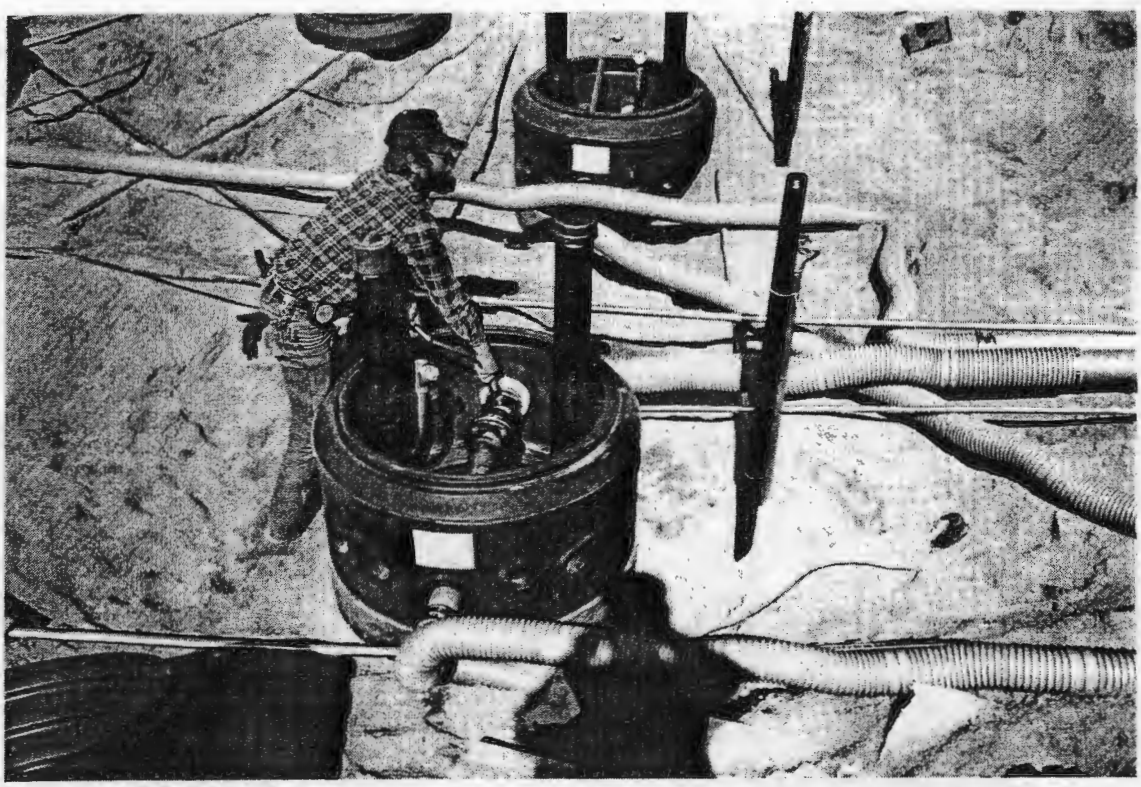


TANKS BACKFILLED, AIR TESTING UNDERWAY

"TOTAL CONTAINMENT" SUMP RISER



INSTALLATION OF JACKETED UNDERGROUND SOLVENT PIPING (IN FOREGROUND)

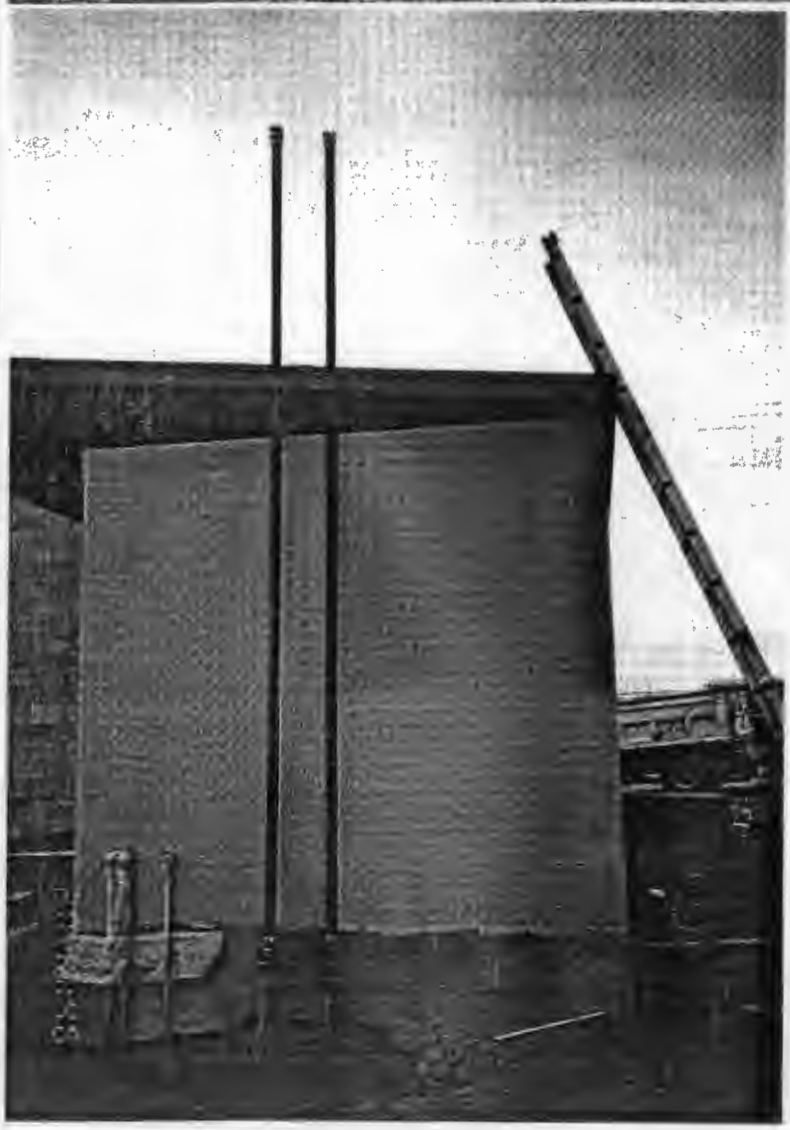


USED SOLVENT UNDERGROUND PIPE JACKET TIGHTNESS TESTING IN PROGRESS

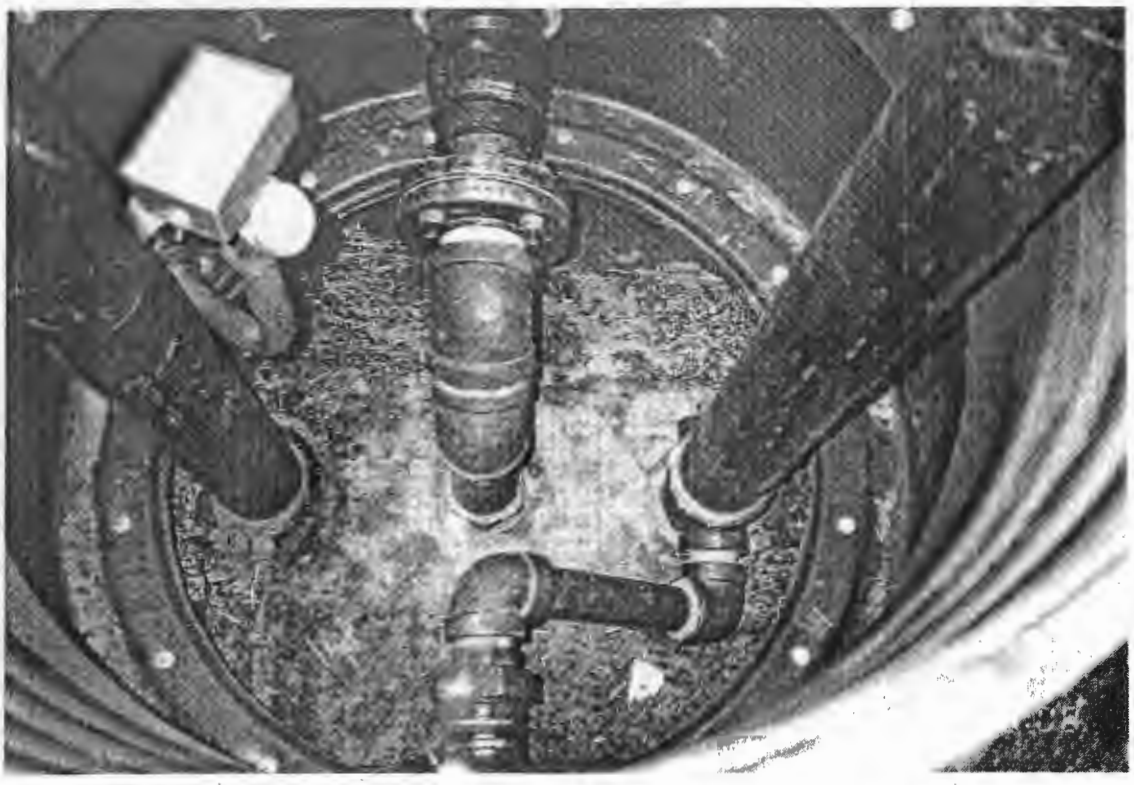
CATHODIC PROTECTION INSTALLATION

USED SOLVENT UST INTERSTITIAL SENSOR RISER PIPE, LEAK DETECTION SYSTEM

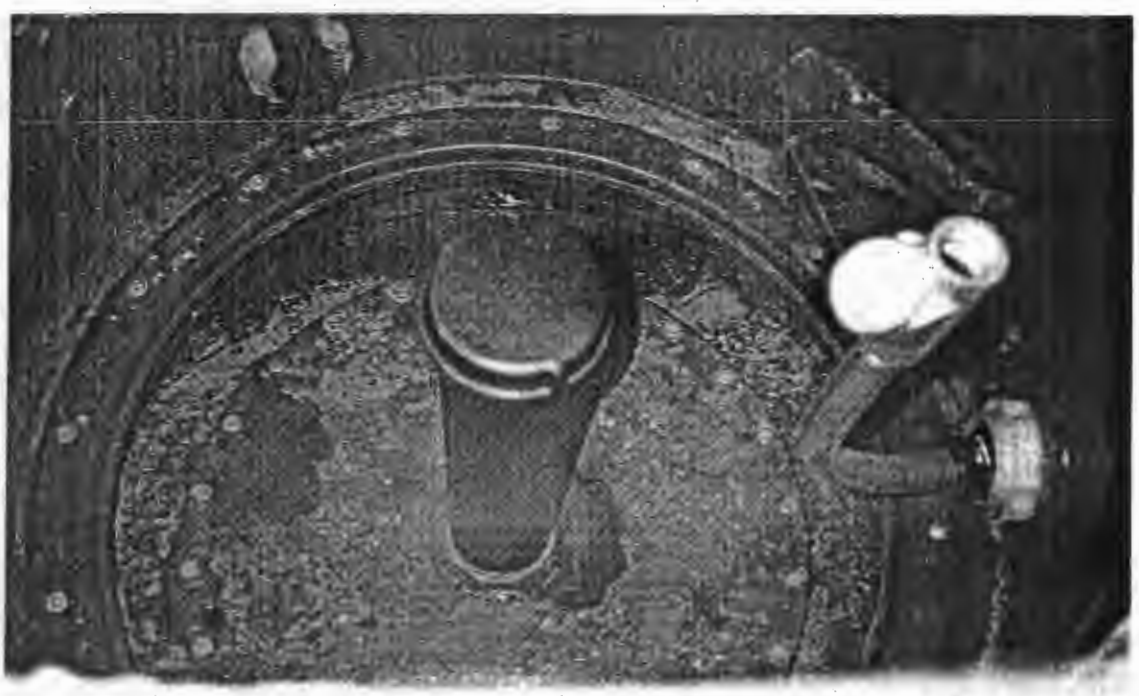
USED SOLVENT UST INSTALLATION NEARING COMPLETION (CATHODIC PROTECTION TESTING STATION AT LEFT CENTER OF PHOTO)



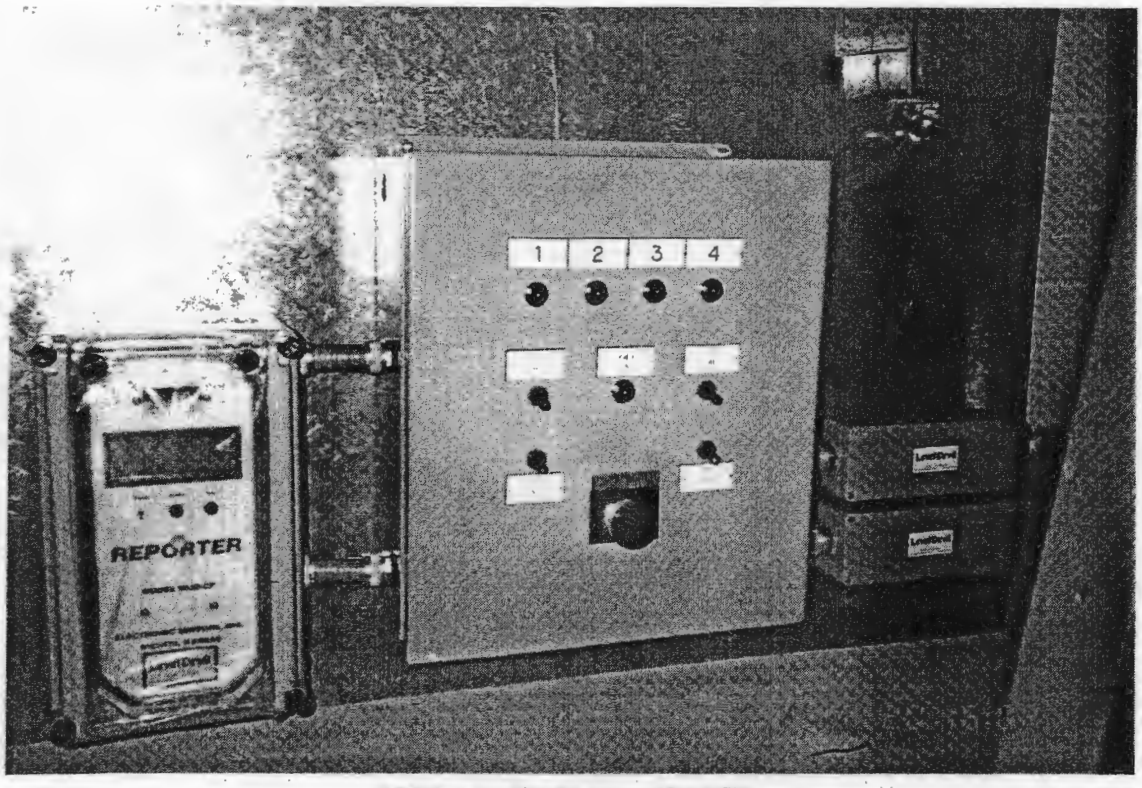
UST VENTS



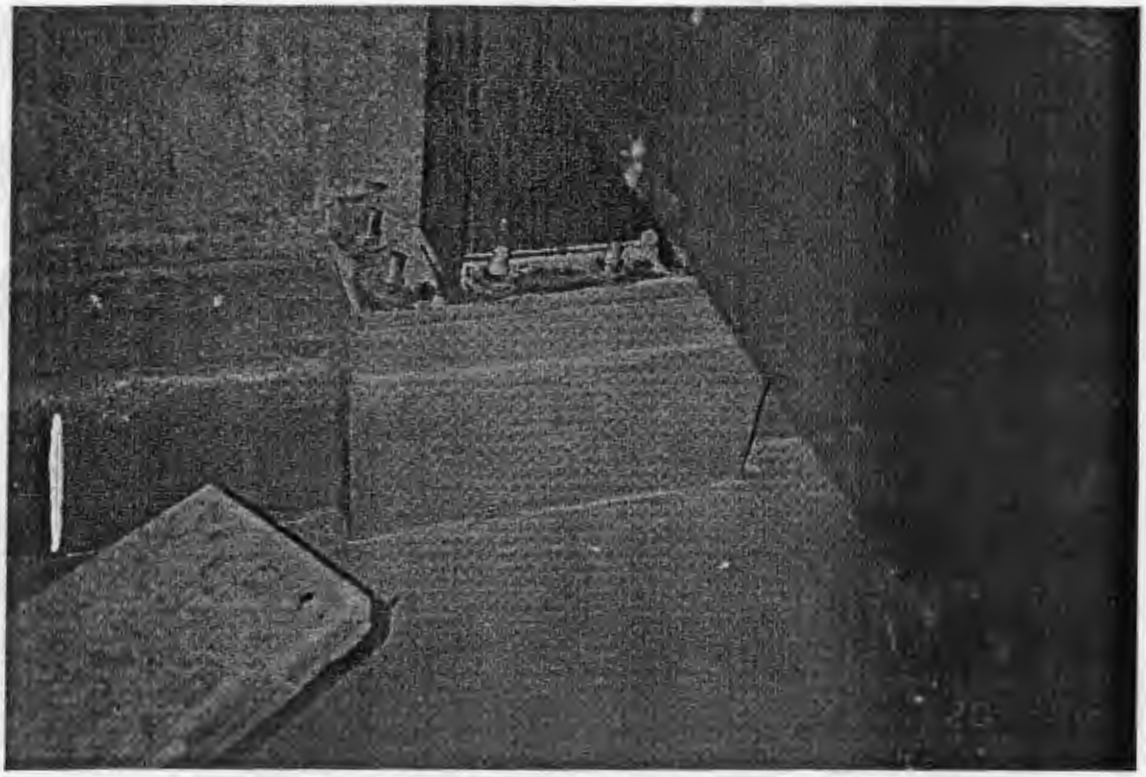
USED SOLVENT UST FILL LINE AT TOP; VENT LINE AT RIGHT; TANKER FILL LINE AT LEFT. (LOCATED IN EASTERNMOST SUMP RISER)



USED SOLVENT UST MANWAY AND IN-TANK PROBE FOR VOLUME INVENTORY

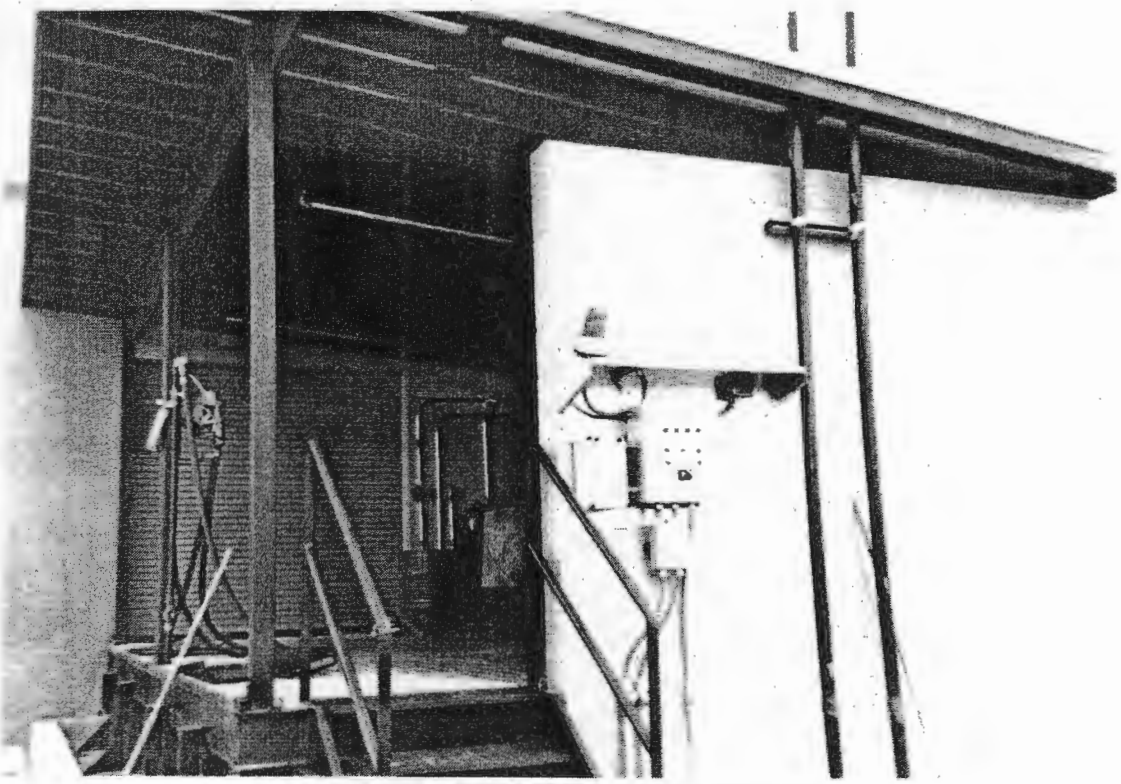


HIGH LEVEL ALARM SYSTEM

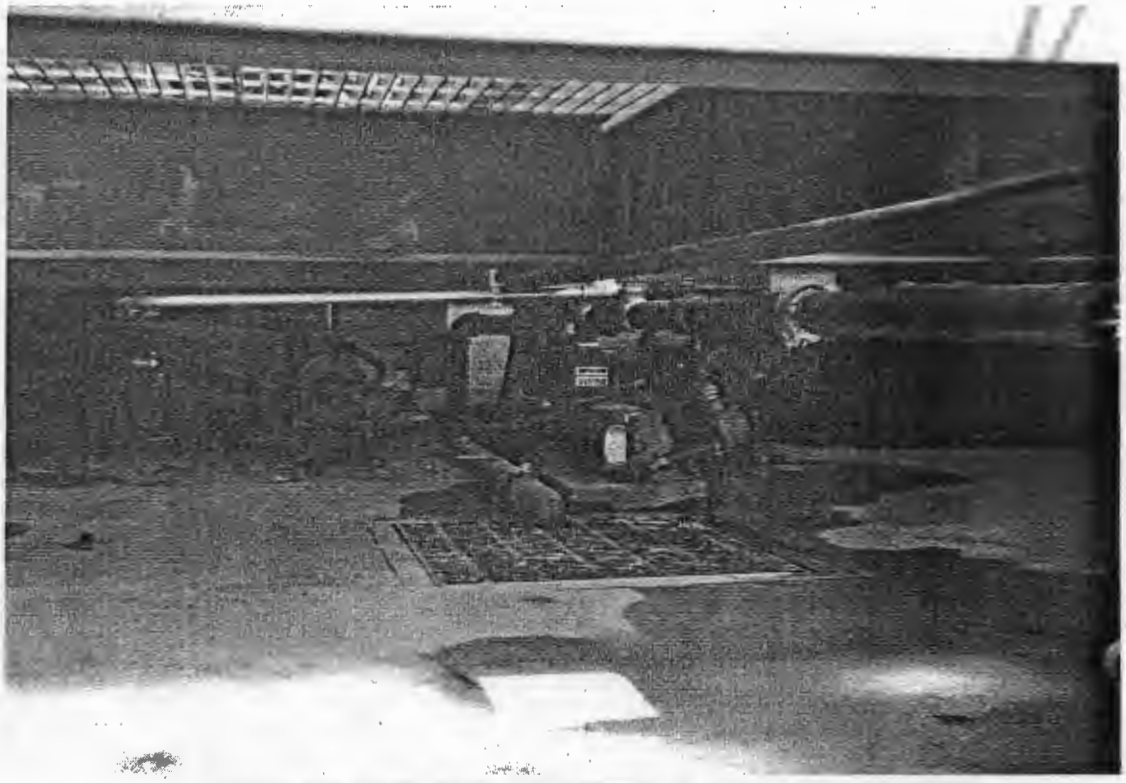


RETURN AND FILL SHELTER SECONDARY CONTAINMENT SLAB UNDERCOATING

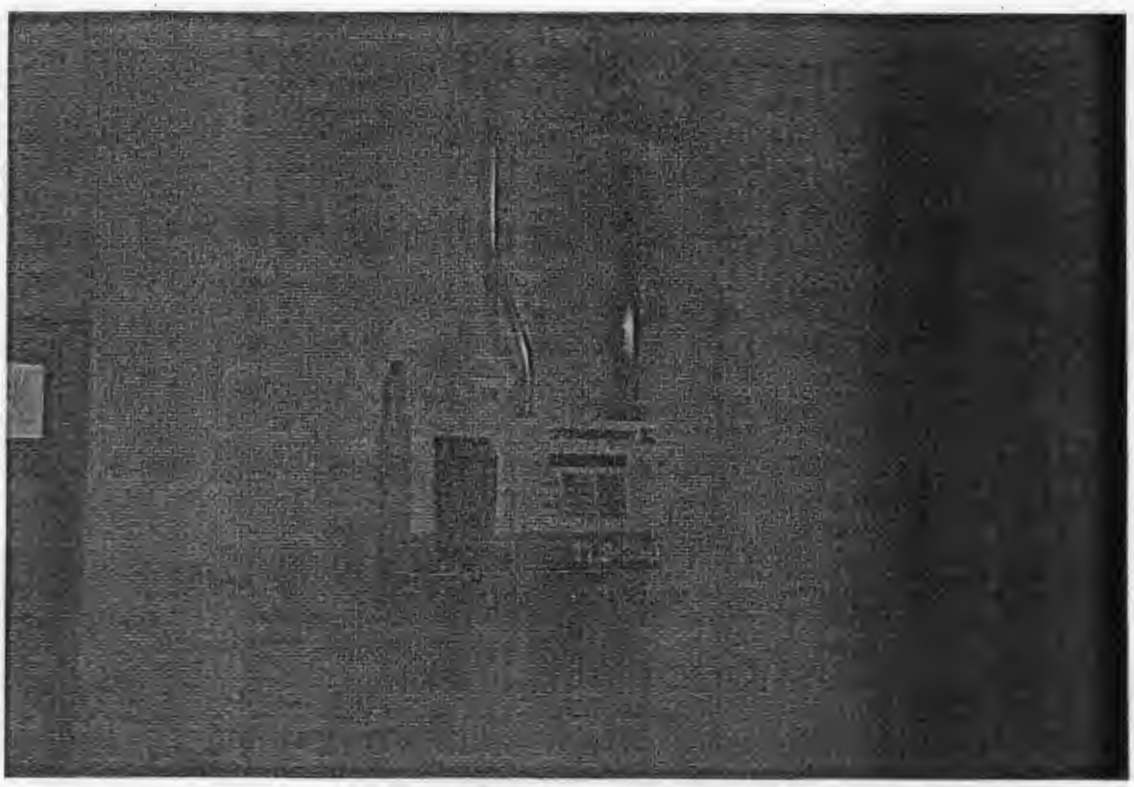
COMPLETED RETURN & FILL SHELTER
(UST's IN FOREGROUND, USED SOLVENT TANK @ REAR)



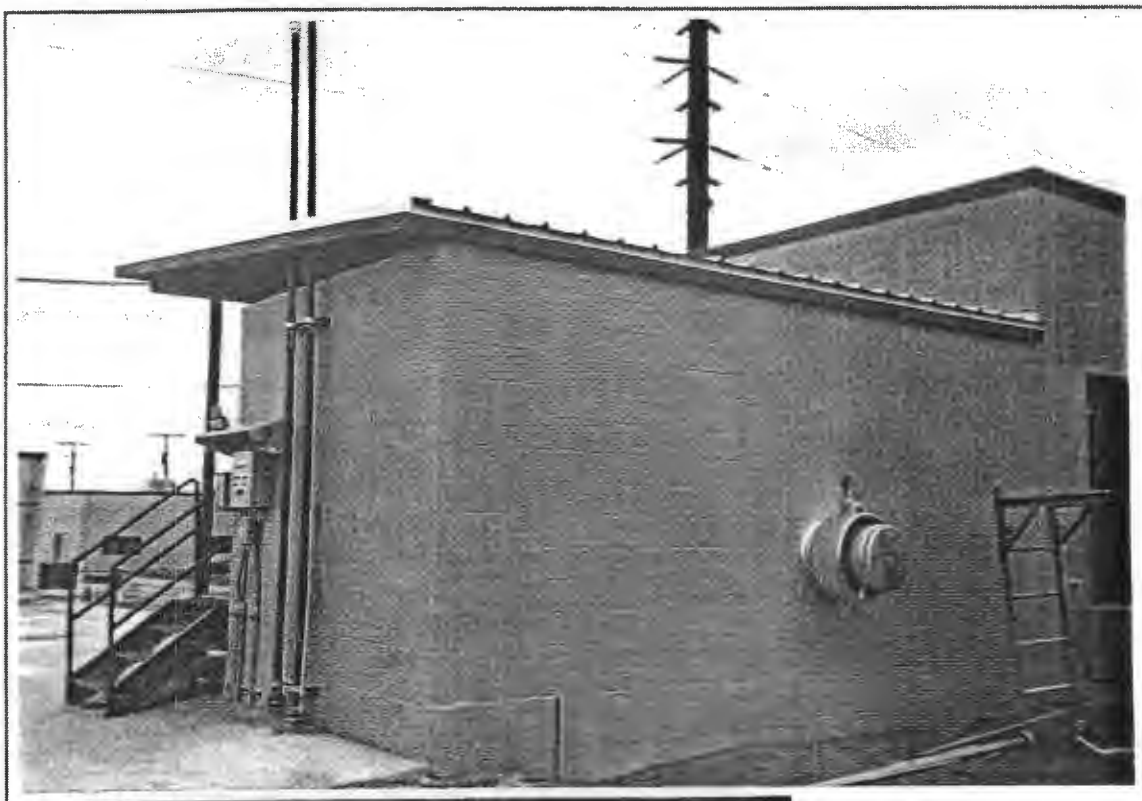
SIDE VIEW, RETURN & FILL SHELTER
(HIGH LEVEL ALARM SYSTEM ON WALL)



USED SOLVENT PUMP IN RETURN & FILL SHELTER



LEAK DETECTION SYSTEM CONSOLE
(IN BRANCH MANAGER'S OFFICE)



VENT FAN FOR RETURN & FILL SHELTER

AUDIBLE ALARM FOR LEAK DETECTION SYSTEM

**********"14 DAY TEMPORARY"**********

Certificate of Occupancy

City of Albuquerque
Land Resources and Regulation Department
Code Administration Division

This Certificate, issued pursuant to the requirements of Section 308 of the Albuquerque Uniform Administrative Code, certifies that at the time of issuance this structure was in compliance with the above code and other technical codes and city ordinances regulating building construction or use.

Building Address 2720 Girard Blvd. NE Zip

Portion of Building New Storage Building (Return & Fill Shelter Only)

Use Classification Commercial Project (Liquid Storage) Bldg. Permit No. 9109460

Occupancy Group H.3/H.2 Type of Construction V-N Land Use Zone M-1

Owner of Building Safety-Kleen Corporation Address 2720 Girard Blvd. NE Albuquerque, NM 87117

By: Vickie Chavez

David L. Steele
CHIEF BUILDING OFFICIAL

Date: March 3, 1992

POST IN A CONSPICUOUS PLACE

B-48

Buckingham Equipment Co.

Petroleum Handling Equipment

MEMBER PEI PETROLEUM EQUIPMENT INSTITUTE

(505) 345-4577
FAX (505) 345-8117

6717 Academy Parkway N.E.
Albuquerque, New Mexico 87109

March 5, 1992

Mr. Robert C. Speake, Senior Engineer
TERA, Inc.
6440 Hillcroft, Suite 200
P.O. Box 740038
Houston, Texas 77274

RE: Veeder-Root TLS-350 Installation at the
Safety-Kleen Service Center
2720 Girard Blvd. NE
Albuquerque, New Mexico

Dear Mr. Speake:

Attached please find a copy of the warranty we have furnished Safety-Kleen as the installer of the above referenced system.

The system has been installed in accordance with Veeder-Root Manual No. 576013-622 and has been set up in accordance with Veeder-Root Manual No. 576013-623.

All operational tests have now been conducted and the leak detection and high level alarm features of the TLS-350 system are operating as designed by the manufacturer.

Sincerely yours,

Larry L. Buckingham
President

Attachment: Warranty

The warranty is not valid unless the following registration form is completed and returned to Veeder-Root within 14 days of installation.

B-50

TLS 250/TLS-250i

№ 19814

WARRANTY REGISTRATION AND CHECKOUT FORM

INSTALLATION DATE: 3/2/92

INSTALLATION LOCATION

Oil Company: SAFETY KLEEN
Brand Name: SAFETY KLEEN
Street: 2720 GIRARD BLVD N.E
City: ALBUQ St: NM Zip: 87108
Phone: (505) 884-2277
Manager: RALPH ONDATJE

INSTALLED BY

Company Name: BUCKINGHAM EQUIP Co.
Address: 6717 ACADEMY PARKWAY
City: ALBUQ St: NM Zip: 87109
Installation Supervisor: Ralph Lumbar

EQUIPMENT IDENTIFICATION

MONITOR FORM NUMBER	MONITOR SERIAL NUMBER
0847090-022	202154034025

	SERIAL NUMBER	FORM NUMBER
Probe 1		0847390
Probe 2		0947390
Probe 3		
Probe 4		
Probe 5		
Probe 6		
Probe 7		
Probe 8		

INTERSTITIAL SENSOR IDENTIFICATION

	SENSOR SERIAL NUMBER	TANK NUMBER	SUMP NUMBER	OTHER		SENSOR SERIAL NUMBER	TANK NUMBER	SUMP NUMBER	OTHER
1A	054552	1		✓	5A	054555	2		✓
1B					5B				
2A	054363	1	#1	Sump	6A	054357	2		Sump
2B					6B				
3A	054374	1	#2	Sump	7A	054379	2		Sump
3B					7B				
4A	054377	1	#3	Sump	8A	054364	2		Sump
4B					8B				

	TANK DATA							MEASUREMENT DATA			
	Gallons	Diameter	Steel	Fiber Glass	Single Wall	Double Wall	Fuel-Type	Stick Height	Tank Chart Gallons	TLS Height	TLS Gallons
TANK 1	12000	96"	✓			✓	SOLVENT	57½	7840	57.58	7846
TANK 2	12000	96"	✓			✓	WASTE SOLVENT	11¾	845	11.74	841
TANK 3											
TANK 4											
TANK 5											
TANK 6											
TANK 7											
TANK 8											

Is the TLS system connected to a modem? ☐ YES ☒ NO
If yes, what type of modem? _____ Phone Number _____
Is there a good earth ground connected to the power supply terminal 5 using a 12 AWG wire? ☒ YES ☐ NO
Did you encounter any problems during checkout or start-up? ☐ YES ☒ NO
If yes, please describe: _____

DISTRIBUTOR

I hereby certify that this system has been installed in accordance with the procedures specified in the Veeder-Root proper site prep and installation manual. I have also read all of the warnings and I certify that there are no intrinsic safety violations due to improper installation of this system.

Signature: Ralph Lumbar
Date: 3/2/92
Company: BUCKINGHAM EQUIP Co.
Address: 6717 ACADEMY PARKWAY

CUSTOMER

I have been trained in the proper operation of this equipment.
☒ YES ☐ NO
Signature _____
Date 3/2/92

VEEDER-ROOT
Environmental Products

125 Powder Forest Drive, Post Office Box 2003, Simsbury, CT 06070-2003 TEL: (203) 651-2700, FAX: (203) 651-2750

ATTACHMENT E-3

EXAMPLE CONTAINER SPECIFICATIONS

SK PART #	UN SPEC CODE	SIZE	COLOR	DRUM MF	PRODUCT LINE	SK PART # LID (w/gasket)	SK PART # LID (no gasket)	SK PART # GASKET	SK PART #	NUT & BOLT TORQUE	BUNG SIZE	BUNG TORQUE	TIES REQUIRED	SIZE
3391	1A2/1.6/100	30	YELLOW	Greif	Absorbent	COMPLETE		3212		75 ft. lbs.	2"	20 ft. lbs.	NO	3 1/2"
3392	1A2/1.6/100	30	YELLOW	Greif	Absorbent	3218	N/A	3212	3242	75 ft. lbs.	2"	20 ft. lbs.	NO	3 1/2"
3270	1H2/Y1.2/80	15	BLACK	LOBO	Dry Cleaning	3272	3271	3273	3274	N/A	2", 3/4"	20 ft. lbs, 9 ft. lbs.	YES	N/A
3280	1H2/Y1.2/80	30	BLACK	LOBO	Dry Cleaning	3282	3281	3283	3284	N/A	N/A	N/A	YES	N/A
3324	1A2/1.6/100	16	BLACK	Greif	FRS	COMPLETE				50 ft. lbs.	2"	30 ft. lbs.	NO	2 1/2"
3345	1A2/1.6/100	30	BLACK	Greif	FRS	COMPLETE				75 ft. lbs.	2", 3/4"	30 ft. lbs., 15 ft. lbs.	NO	3 1/2"
3369	1A2/Y1.6/100	55	BLACK	Greif	FRS	3370	N/A	3372	3371	75 ft. lbs.	2", 3/4"	20 ft. lbs.; 12 ft. lbs.	NO	4"
8003369	1A2/Y1.2/100	55	BLACK	Palex	FRS	COMPLETE				60 ft lbs	2", 3/4"	30 ft. lbs., 15 ft. lbs.	NO	3 1/2"
3303	1A1/Y1.2/100	30	BLACK	Greif	FRS/Paint	N/A	N/A	N/A	N/A	N/A	2", 3/4"	30 ft. lbs.; 15 ft. lbs.	NO	N/A
3250	1A2/1.6/200	16	BLACK	Greif	Gas Fiters	3450	N/A	3211	3289	75 ft. lbs.	2"	20 ft. lbs.	NO	2 1/2"
3252	1A2/1.6/100	30	BLACK	Greif	Gas Fiters	3452	N/A	3212	3242	75 ft. lbs.	2"	20 ft. lbs.	YES	3 1/2"
706	1H2/Y30/S	6.5	WHITE	M&M	Imaging	N/A	N/A	N/A	N/A	N/A	N/A	N/A	NO	N/A
3306	1A2/Y1.9/100	5	GRAY	Cleveland Steel	Imaging	N/A	5486	5488	5487	40 in lbs	N/A	N/A	NO	
5415/15415	1H2/Y80/S	15	YELLOW/BLACK	Greif	Imaging	N/A	5471	N/A	5472	N/A	N/A	N/A	NO	N/A
5430/15430	1H2/Y100/S	30	YELLOW/BLACK	Greif	Imaging	N/A	5434	N/A	5435	N/A	N/A	N/A	NO	N/A
5455/15455	1H2/Y140/S	55	YELLOW/BLACK	Greif	Imaging	N/A	5476	N/A	5477	N/A	N/A	N/A	NO	N/A
5551	3H1/Y1.8/250	5	NATURAL	TricorBraun	Imaging	COMPLETE	3839/3838	N/A	N/A	N/A	53mm, 18mm	36" lbs., 25" lbs.	NO	N/A
5552	1H1/Y1.8/100	15	BLUE	Greif	Imaging	N/A	N/A	N/A	N/A	N/A	2", 3/4"	20 ft. lbs., 9 ft. lbs.	NO	N/A
5553	1H1/Y1.8/100	30	BLUE	Greif	Imaging	N/A	N/A	N/A	N/A	N/A	2", 3/4"	20 ft. lbs., 9 ft. lbs.	NO	N/A
5555	1H1/Y1.8/100	55	BLUE	Greif	Imaging	N/A	N/A	N/A	N/A	N/A	2", 3/4"	20 ft. lbs., 9 ft. lbs.	NO	N/A
3387	1A2/Y1.6/200	16	GRAY	Greif	Immersion Cleaner	N/A	3388	3211	3389	75 ft. lbs.	N/A	N/A	NO	2 1/2"
100699	1A2/Y1.5/100	6	YELLOW	Cleveland Steel	Immersion Cleaner	COMPLETE				N/A	N/A	N/A	NO	N/A
3383	1A2/Y1.6/100	55	GREEN	Greif	Oil Filters	N/A	3270	3372	3371	75 ft. lbs.	2", 3/4"	20 ft. lbs., 12 ft. lbs.	NO	4"
3362	1A1/Y1.2/100	16	BLACK	Greif	Paint Refinishing	N/A	N/A	N/A	N/A	N/A	2", 3/4"	20 ft. lbs.; 12 ft. lbs.	NO	N/A
9946	1A1/Y1.2/100	5	YELLOW	Cleveland Steel	Paint Refinishing	N/A	N/A	N/A	N/A	N/A	2"	30 ft. lbs.	NO	N/A
9986	1A1/Y1.2/200	5	YELLOW	Cleveland Steel	Paint Refinishing	N/A	N/A	N/A	N/A	N/A	2"	30 ft. lbs.	NO	N/A
9988	1A1/Y1.2/200	5	YELLOW	Cleveland Steel	Paint Refinishing	N/A	N/A	N/A	N/A	N/A	2"	30 ft. lbs	NO	N/A
9989	1A1/Y1.2/200	5	YELLOW	Cleveland Steel	Paint Refinishing	N/A	N/A	N/A	N/A	N/A	2"	30 ft. lbs.	NO	N/A
3348	Not UN Spec	16	RED	Greif	Parts Washer	UN LID	UN LID	3211	3289	snug	N/A	N/A	YES	2 1/2"
3349	Not UN Spec	30	RED	Greif	Parts Washer	UN LID	UN LID	3212	3242	snug	N/A	N/A	YES	3 1/2"
3360	1A2/Y1.6/100	30	DK. BLUE	Greif	Parts Washer	UN LID	UN LID	3212	3242	75 ft. lbs.	N/A	N/A	NO	3 1/2"
3395	Not UN Spec	30	GREEN	Greif	Parts Washer	UN LID	UN LID	3212	3242	snug	N/A	N/A	YES	3 1/2"
13348	1A2/Y1.6/200	16	RED	Greif	Parts Washer	3213	N/A	3211	3289	75 ft. lbs.	N/A	N/A	NO	2 1/2"
13349	1A2/Y1.6/100	30	RED	Greif	Parts Washer	3214	N/A	3212	3242	75 ft. lbs.	N/A	N/A	NO	3 1/2"
13393	1A2/Y1.6/200	16	GREEN	Greif	Parts Washer	3217	N/A	3211	3289	75 ft. lbs.	N/A	N/A	NO	2 1/2"
13395	1A2/Y1.6/100	30	GREEN	Greif	Parts Washer	3215	N/A	3212	3242	75 ft. lbs.	N/A	N/A	NO	3 1/2"
102599	3H1/Y1.2/60	5	BLACK	Bonar	Parts Washer	N/A	N/A	N/A	N/A	N/A	2" buttress	200 IN LBS	NO	N/A
102600	3H1/Y1.2/60	5	BLUE	Bonar	Parts Washer	N/A	N/A	N/A	N/A	N/A	2" buttress	200 IN LBS	NO	N/A
3300	1A2/X435/S	85	YELLOW	Greif	Salvage	COMPLETE				50 ft. lbs.	3/4"	10 ft. lbs.	NO	4"
8500	1H2/X340/S	95	YELLOW	LOBO	Salvage	8501		8503	N/A	arrows meet	N/A	N/A	NO	N/A
8003300	1A2/X435/S	85	YELLOW	Queen City	Salvage	N/A	N/A	N/A	N/A	40 FT LBS	2", 3/4"	30 ft. lbs., 15 ft. lbs.	NO	4"

SK PART #	UN SPEC CODE	SIZE	COLOR	DRUM MFG	RODUCT UN	SK PART # LID (w/gasket)	SK PART # LID (no gasket)	SK PART # GASKET	SK PART # RING	NUT & BOLT TORQUE	BUNG SIZE	BUNG TORQUE	TIES REQUIRED	BOLT SIZE REQUIRED
8510		10 gal.	Fiber - Nat.	Grief		None	None	None	None				YES	
8515		15 gal.	Fiber - Nat.	Grief		None	None	None	None				YES	
8520		20 gal.	Fiber - Nat.	Grief		None	None	None	None				YES	
8530		30 gal.	Fiber - Nat.	Grief		None	None	None	None				YES	

ATTACHMENT F

CONTINGENCY PLAN

CONTINGENCY PLAN

ABSTRACT

PURPOSE: This plan describes the proper action to be taken by employees during an emergency.

RESPONSIBILITIES: The emergency coordinator or his alternate is responsible for implementing the plan during an emergency.

EMERGENCY COORDINATOR: The Branch Manager is the emergency coordinator. The alternate emergency coordinator is a trained employee designated to this position by the emergency coordinator.

EMERGENCY NOTIFICATIONS:

Albuquerque Police Department	911 or (505) 242-2677
Albuquerque Fire Department	911 or (505) 243-6601
Presbyterian Hospital	911 or (505) 841-1111 or (505) 345-3655 (non-emergencies)
Safety-Kleen 24-Hour Emergency Response	(800) 468-1760
Rinchem (Emergency Response Contractor)	(505) 883-4242
New Mexico Environment Department	(505) 827-9329
National Response Center	(800) 424-8802

CONTINGENCY PLAN

Safety-Kleen Systems, Inc. (7-008-01)
2720 Girard NE
Albuquerque, New Mexico 87107

F.1 PURPOSE

The contingency plan describes the actions to be taken by each employee in the event of a spill, fire, explosion, or other emergency. It includes the information necessary to address emergency situations efficiently and in such a manner as to prevent or minimize hazards to human health or the environment due to fire, explosion, or any other release of hazardous materials to the air, soil, surface, water, or groundwater.

The contingency plan is to be carried out immediately whenever there is a release of hazardous material which could threaten human health or the environment. The contingency plan is kept at the facility. The Branch Manager ensures that the contingency plan is updated as necessary.

F.2 EMERGENCY COORDINATOR RESPONSIBILITIES

The emergency coordinator is responsible for implementing the contingency plan during an emergency; however, all employees must be familiar with the procedures in this plan and are responsible for proper implementation of the plan should the emergency coordinator or alternate be unavailable. The Branch Manger is the emergency coordinator and the alternate emergency coordinator is a trained employee designated to this position by the Branch Manager.

The emergency coordinator and alternate must be familiar with all aspects of this contingency plan, the operations and activities at the facility, the location and characteristics of materials handled, the location of all records within the facility and the facility layout. In addition, these coordinators have the authority to commit the resources necessary to carry out the contingency plan. Their home addresses and telephone numbers, as well as the office telephone number, are listed in Attachment F-1. Also listed in Attachment F are the assigned duties of each employee during an emergency. At least one employee will be at the facility or on call to respond to an emergency situation. In addition, facility personnel should be aware of the location of emergency equipment. An emergency equipment location plan is included in Attachment F-2, Figure F-1.

F.2.1 Responsibilities During an Emergency

Whenever there is an imminent or actual emergency situation that requires implementation of the contingency plan, the emergency coordinator (or alternate when the emergency coordinator is not available) must immediately:

a. activate the internal facility communication system to notify all facility personnel;

b. notify Safety-Kleen's Emergency Response Coordinator using the 24-hour telephone number - 800/468-1760; and

c. notify appropriate state or local agencies with designated response roles, as necessary.

Whenever there is a release, fire, or explosion, the emergency coordinator must immediately try to identify the character, exact source, amount, and extent of any contamination. Because of the limited number of materials being handled at the facility, he or she may do this by observation of by review of facility records. If necessary, outside laboratories may be contacted to perform chemical analysis.

Concurrently, the emergency coordinator must assess possible hazards to human health or the environment that may result from the result from the release, fire, or explosion. This assessment must consider both direct and indirect effects of the release, fire, or explosion (e.g., the effects of any toxic, irritating, or asphyxiating gases that may be generated, or the effects of any hazardous run-off).

During an emergency, the emergency coordinator must take all measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous waste at the facility. These measures must include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.

F.2.2 Remedial Action Responsibilities

If the environment has been impacted or there is a potential for contamination as a result of a fire, explosion, or spill, the emergency coordinator must contact Safety-Kleen's Emergency Response Coordinator to report the incident. Fires, and explosions generally necessitate the implementation of this contingency plan. Any situation that has the potential for releasing solvent or solvent vapors or causing a fire or explosion should also be addressed in accordance with this plan. Should there be any questions as to whether this plan should be implemented (i.e., a problem is suspected but cannot be confirmed), Safety-Kleen's regional and/or corporate offices should be consulted for guidance.

The emergency coordinator must ensure that, in the potentially affected area(s) of the facility:

a. no substance that may be incompatible with the released material is brought on site until cleanup procedures are completed; and

b. all emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

F.2.3 Reporting Responsibilities

If the emergency coordinator determines that the facility has had a release that could threaten human health or the environment, the coordinator must report those findings as follows:

a. If the assessment indicates that evacuation of local areas may be advisable, the coordinator must immediately notify appropriate authorities.

b. The coordinator must immediately notify the Safety-Kleen Emergency Response Coordinator, and the New Mexico Environment Department (NMED) of any spill or release of hazardous waste in excess of the reportable quantity within 24 hours. The department will report to NMED the following:

   1) name and telephone number of notifier;

   2) name and address of facility;

   3) time and type of incident (e.g., release, fire);

   4) name and quantity of material(s) involved, to the extent known;

   5) the extent of injuries, if any; and

   6) the possible hazards to human health, or the environment outside the facility.

Safety-Kleen will notify the appropriate state and local authorities that the facility is in compliance with Section F.2.2 before operations are resumed in the affected area(s) of the facility.

The emergency coordinator must document the time, date, and details of any incident that requires the implementation of the contingency plan. Within 30 days of the incident, Safety-Kleen will submit a written report on the incident to the New Mexico Environment Department. The report will contain the information set out in 40 CFR, 264.196(d)(3) and must include:

a. name, address, and telephone number of the owner or operator;

b. name, address, and telephone number of the facility;

c. date, time, and type of incident (e.g., fire, explosion);

d. name and quantity of material(s) involved;

e. the extent of injuries, if any;

f. an assessment of actual or potential hazards to human health or the environment, where this is applicable; and

g. estimated quantity and disposition of recovered material that results from the incident.

g. estimated quantity and disposition of recovered material that results from the incident.

F.2.4 Chain of Command

Based on the emergency response procedures described above, the chain of command during an emergency is as follows:

a. The person who discovers/causes the spill reports to the emergency coordinator.

b. The emergency coordinator contacts the Safety-Kleen Emergency Response Coordinator and NMED.

F.2.5 Government Agencies and Local Authorities to Be Notified

During an emergency, the following government agencies and local authorities may be contacted:

Agency or Authority	Rationale
Police Department	Notify if there is imminent danger to human health.
Fire Department	Notify if there is a fire, explosion, uncontrolled spill, or other imminent danger.
Hospital	Notify if there are any injuries.
NMED	Report releases, fires, and explosions.
Rinchem	Call to assist with remedial action after a release.

Arrangements have been made to familiarize the police department, fire department and local emergency response teams with the layout of the facility, the properties of hazardous materials handled and associated hazards, locations where facility personnel normally work, entrances to and roads inside the facility and possible evacuation routes. Arrangements have also been made to familiarize the local hospital with the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

F.3 EMERGENCY RESPONSE PROCEDURES

Response actions to be taken in specific emergency situations are described in the sections which to follow.

F.3.1 Minor Spills

If a spill should occur while pouring used solvent into a dumpster or filling drums with solvent product at the return and fill station, and it is contained in the secondary containment at the base of the return and fill station, remedial action will not be necessary. Should the spill occur outside the containment, different actions must be taken depending on whether the spill occurs on a paved or unpaved area:

a. If the solvent spills on an unpaved area, the free solvent must be collected with sorbent sheets and/or sorbent clay (such as "Oil Dry"). The sorbents will be collected, drummed and shipped to a Safety-Kleen recycle center for proper disposal.

b. If the solvent spills on an unpaved area, the free solvent must be collected with sorbent material. The sorbent material and any contaminated soil must be collected, drummed and shipped to a Safety-Kleen recycle center or other permitted facility for proper disposal.

If a spill occurs while moving or delivering drums outside of the warehouse, the response actions described in 'a' and 'b' above must be followed. Spills inside the warehouse will be prevented from contaminating the environment by the concrete floor and the secondary containment. In the event of a spill indoors, the doors and windows should be opened to improve the ventilation in the confined area. If solvent is spilled in a non-explosion rated area or is flowing in such, insure that all sources of ignition (e.g., thermostats or light switches) are left in the same position (either on or off) as at the time of the spill. The worker will enter the area wearing appropriate personal protective equipment (PPE). The Material Safety Data Sheets (MSDSs) will be consulted to ensure appropriate PPE and spill procedures are utilized. Example MSDSs for typical S-K products are presented in Attachment F-3. Generally, spilled liquids are collected, placed in a container, and returned to storage.

Cleanups are completed only when the workers have cleaned themselves and the emergency equipment with soap and water. All minor spills must be reported to the Safety-Kleen Emergency Response Coordinator and the New Mexico Environment Department (if the spill is of a reportable quantity).

In the event a container is leaking, the contents will be transferred to a new container with a portable pump. A wet/dry vacuum is present at the site and may also be used in the event of a minor spill.

F.3.2 Major Spills

Any spill which can not be completely remediated using the methods described in 'a' and 'b' of Section 4.3.1 is a major spill. A major spill is usually the result of a vehicular accident, tank overfilling, equipment failure, or a fire. Spilled material which escapes collection can contaminate soil, surface water, groundwater, and/or sanitary sewer systems. Emergency response protocol for this type of spill should be as follows:

a. Assist any injured people, and call for medical assistance as necessary.

b. Stop the flow of material, if possible.

c. Retain, contain or slow the flow of the material if it can not be stopped.

d. If solvent escapes containment efforts, immediately call the local Fire Department, and report to the emergency coordinator and the Safety-Kleen Emergency Response Coordinator.

e. Immediately recover the spilled solvent to reduce property and environmental damage. Start recovery operations immediately.

The emergency coordinator shall report any incident as soon as possible to the Safety-Kleen Emergency Response Coordinator using the 24-hour telephone number: 800/468-1760. The emergency coordinator shall call an emergency cleanup response contractor, if it is deemed necessary, and report the incident to the National Response Center (telephone: 800/424-8802) and NMED (telephone: 505/827-9329 24-hour number).

The person reporting a spill should be prepared to give their name, position, company name, address, and telephone number. The person reporting should also describe the material spilled and, if possible, some estimate of the amount, the containment status and specify any equipment needed. Contaminated material resulting from remedial actions for major spills, will be disposed of at a properly permitted treatment or disposal facility.

Equipment used to respond to spills must be cleaned and decontaminated with a detergent/water solution. All incidents will be documented and kept on file as part of the operating record. They will be reviewed with branch personnel to prevent similar spills from occurring in the future.

All rinsates, waste residues, and decontamination fluids from the cleanup of spills or releases (whether major or minor), will be containerized and managed as hazardous waste unless analytical results verify the wastes are not hazardous. Wastes resulting from spill cleanups will be disposed in accordance with applicable regulations (i.e., HWMR-5, Part VIII).

F.3.3 Fire Control Procedures

If a small fire occurs, personnel must act quickly with an appropriately rated fire extinguisher to put out the fire before it spreads. If it can not be extinguished immediately the facility will be excavated and the fire and police departments will be contacted.

It is Safety-Kleen's policy that personnel only respond to incipient fires; that is, those which can immediately be extinguished using a fire extinguisher. Any fire which cannot be brought under control immediately or which has the potential to become uncontrollable, warrants implementation of the evacuation plan. Ignitable waste at the Albuquerque facility is stored in specially designed tanks, or in containers and placed in the Flammable Storage Building.

Safety-Kleen personnel and local authorities must be aware of appropriate response procedures, should a fire occur at the facility. This may include isolating the hazardous area and donning an appropriate positive pressure breathing apparatus.

F.4 EVACUATION PLAN

Exits are clearly marked in the warehouses and office areas. Employees are trained to be aware of all potential escape routes. The facility evacuation plan is included in Attachment F-2 (Figure F-2).

When an uncontrolled fire or release has occurred, all personnel are to be evacuated from the area and assemble across Girard Boulevard to assure that all personnel are accounted for and out of the hazardous area. The fire department must be notified at the time of evacuation either from a safe on-site building, from a neighboring facility or using a cellular phone.

F.5 ARRANGEMENT WITH EMERGENCY RESPONSE CONTRACTORS

An emergency response contractor is identified in the Contingency Plan Abstract (Page F-1) and on the Emergency Information Sheet (Attachment F-1). This contractor will provide emergency assistance during a release and/or cleanup.

F.6 POLLUTION INCIDENT HISTORY

There are no records of a pollution incident having occurred at this facility.

F.7 IMPLEMENTATION SCHEDULE

Where a hazard is imminent or an accident has already occurred, remedial action must be taken immediately. The branch manager has the overall responsibility for remediating any discrepancies found during a routine inspection, and will consult with the corporate environmental and engineering staffs to design an implementation schedule.

F.8 AVAILABILITY AND REVISION OF THE CONTINGENCY PLAN

This plan and all revisions to the plan are kept at the facility and regularly updated throughout the operating life of the facility. Copies of this document are provided to local authorities and organizations listed on the Emergency Information Sheet (Attachment F-1) and they may be called upon to provide emergency services. In addition, this plan and all revisions to the plan are made readily available to employees working at the facility.

The plan is reviewed and updated, if necessary, whenever:

a. the facility permittee is modified to allow new wastes to be stored or treated, or applicable regulations are revised;

b. the list or location of emergency equipment changes;

c. the facility changes in its design, construction, operation maintenance, or other circumstances in a way that:

   (1) increases the potential for fires, explosions, or releases of hazardous constituents, or

   (2) changes the response necessary in an emergency;

d. the names, addresses, or phone numbers of emergency coordinators change;

e. the employee assigned to each emergency task changes; or

f. the plan fails when implemented in an emergency.

ATTACHMENT F-1

EMERGENCY CONTACT INFORMATION

Update: 5-16-2001

EMERGENCY INFORMAI'ION

SAFETY-KLEEN 7-008-01

2720 Girard NE
Albuquerque, New Mexico 87107
(505) 884-2277

A. Facility Emergency Coordinator

Name: Mike Crawford
Title: Resource Recovery Branch Manager
Address: 9100 Surrey Rd. NE Albuquerque, NM/ 87109

Telephone:		
	Office	(505) 884-2277
	Home	(505) 822-0077
	Pager	(800) 687-6037
	Cell Phone	(505)401-1050

Alternate Emergency Coordinator

Name: Ivan Herrera
Title: Branch Imaging Manager
Address: 608 Ridgecrest Dr. SE
Albuquerque, New Mexico 87108

Telephone:		
	Office	(505) 884-2277
	Home	(505) 232-2527
	Mobile	(505) 321-6268

H&S Manager

Name: Brian Wong — Pomona Office (909) 902-6415
Title: Health & Safety Manager — Mobile Phone (714) 394-2416
Address: 2875 S. Reservoir
Pomona, CA 91766

B. Emergency Notification Letters

1. Internal (24 Hour)
   Safety.Kleen Internal Notification System (800) 468-1760
2. External:
   A) National Response Center (800) 424-8802
   B) NMED Hazardous and Radioactive Materials Bureau (505) 827-9329

C. Designated Emergency Response Authorities

1. Albuquerque Fire Dept.	Emergency	911
Station #19	Non-Emergency	(505) 243-6601
4201 Menaul NE		
2- Albuquerque Police Dept.	Emergency	911
	Non-Emergency	(505) 242-COPS
3. Presbyterian Hospital	Emergency	(505) 841-1111
	Non-Emergency	(505) 841-1234
4. Rinchern		(505) 345-3655
(Clean-Up Contractor)	24-Hour	(505) 883-4242
5. Poison Control Center		(505) 843-2551

D. Internal (Branch Paging System)

Instructions: Push INTERCOM Button (Above Conf. Button) Then:

06 Outside Speakers	13 Front Office
10 EHS Manager	15 Branch Manager
25 BIM	26 Computer Room
25 Sales Rep Room	21 Special Markets

CORPORATE POLICY

DISASTER AND FIRE PLAN

I. OBJECTIVE

THE OBJECTIVE OF THIS PLAN IS TO PREPARE THE CENTER FOR A DISASTER BY HAVING THE PROPER EQUIPMENT AND PROCEDURES IN PLACE TO PREVENT INJURIES AND PROPERTY LOSSES. THE PLAN IS DESIGNED TO KEEP OUR WORKERS THINKING IN TERMS OF PREVENTION RATHER THAN REACTION.

IF FIRE OR DISASTER OCCURS, THE PREARRANGED PROCEDURES WILL ELIMINATE MUCH OF THE CONFUSION. THE WORKERS AT THE CENTER MUST BE INSTRUCTED IN THEIR RESPONSIBILITIES AND RETRAINED ON AN ANNUAL BASIS. THIS TRAINING IN PREVENTION IS IMPORTANT AND ALL TRAINING MUST BE DOCUMENTED AND KEPT FOR INSPECTION.

II. **DISASTER AND FIRE BRIEFING**:

:
LIST THE EMPLOYEES, DATE OF LAST INSTRUCTION OR REFRESHER TRAINING AND EMERGENCY JOB FUNCTION

1). MIKE CRAWFORD	04/24/00	EMERGENCY COORDINATOR: NOTIFY ALL FACILLITY PERSONNEL NOTIFY EHS MANAGER OR INFOTRAC 1-800-468-1760 .
2). IVAN HERRERA	04/24/00	ALTERNATE EMERGENCY COORDINATOR: SUPERVISE EVACUATION NOTIFY EMERGENCY AGENCIES
3). NORMA HERNANDEZ	04/24/00	NOTIFY NEIGHBORS
4). PEGGY BAGDON	04/24/00	OPEN GATE/SHUT OFF ELECTRICITY SECURE BUILDING
5). MARK BAGDON	04/24/00	SPILL CLEAN UP COORDINATOR: PROTECT YOUR BODY, IDENTIFY THE SUBSTANCE, SHUT OFF THE SOURCE, PROTECT THE DRAINS, CONTROL IGNITION SOURCES, EVACUATE THE AREA, GET HELP, CONTAIN AND ABSORB THE SPILL. CLEAN UP AND DE-CONTAMINATE, DISPOSE OF WASTE PROPERLY, RESTOCK SAFETY EQUIPMENT AND SPILL KITS. FIRE PLAN: ACCESS FIRE, GET HELP, EXTINGUISH FIRE.

CONTINUED ON PAGE 2

DISASTER AND FIRE BRIEFING: (CONTINUED)

6). CHAD KIZER	04/24/00	CONTAIN AND ABSORB SPILL, GATHER ABSORBANTS, DRUMS & SHOVEL, CLEAN UP AND DECONTAMINATE, DSPOSE OF WASTE PROPERLY, RESTOCK SAFETY EQUIPMENT.
7). BRUCE CAIN	04/24/00	CONTAIN AND ABSORB SPILL, GATHER ABSORBENTS/DRUMS OR FIRE EXTINGUISHERS. CLEAN UP/DECONTAMINATE RESTOCK SAFETY EQUIPMENT.
8). LARRY DEFEO	04/24/00	CONTAIN AND ABSORB SPILL, GATHER ABSORBENTS/DRUMS OR FIRE EXTINGUISHERS. CLEAN UP/DECONTAMINATE RESTOCK SAFETY EQUIPMENT.
9). ERIC LENSE	04/24/00	CONTAIN AND ABSORB SPILL, GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT.
10). KIM LEVAN	04/24/00	CONTAIN AND ABSORB SPILL, GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT.
11). JIM MARION	04/24/00	GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT
12). RON WEESE	04/24/00	GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT
13). LEMAR SHAW	04/24/00	GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT
14). DANNY EVANS	04/24/00	GATHER FIRE EXTINGUISHERS, ABSORBENTS AND DRUMS, SHOVELS AND BROOMS. RESTOCK SAFETY EQUIPMENT

ATTACHMENT F-2

EMERGENCY EQUIPMENT LIST, LOCATION PLAN AND EVACUATION PLAN

EMERGENCY EQUIPMENT LIST

The following equipment shall be located in designated areas of the facility and the supply checked monthly:

Gloves - Gloves which are compatible with parts washer solvents are to be used when handling the solvents.

Safety Glasses or Face Mask - Whichever the worker prefers, is to be worn when loading or unloading the solvent.

Plastic Aprons - Are available for the situations where a solvent may get on the worker's clothing.

Shovels - In the event of a spill, shovels will be used to pick-up contaminated sorbent material.

Decontamination of all equipment is accomplished by washing with soap and water.

Eye Wash Stand--The eye wash stations are at several locations located at the Service Center, as shown on Figure F-1. The workers should try the stand and be familiar with its operation. The eye wash stand should be checked once a week for operation.

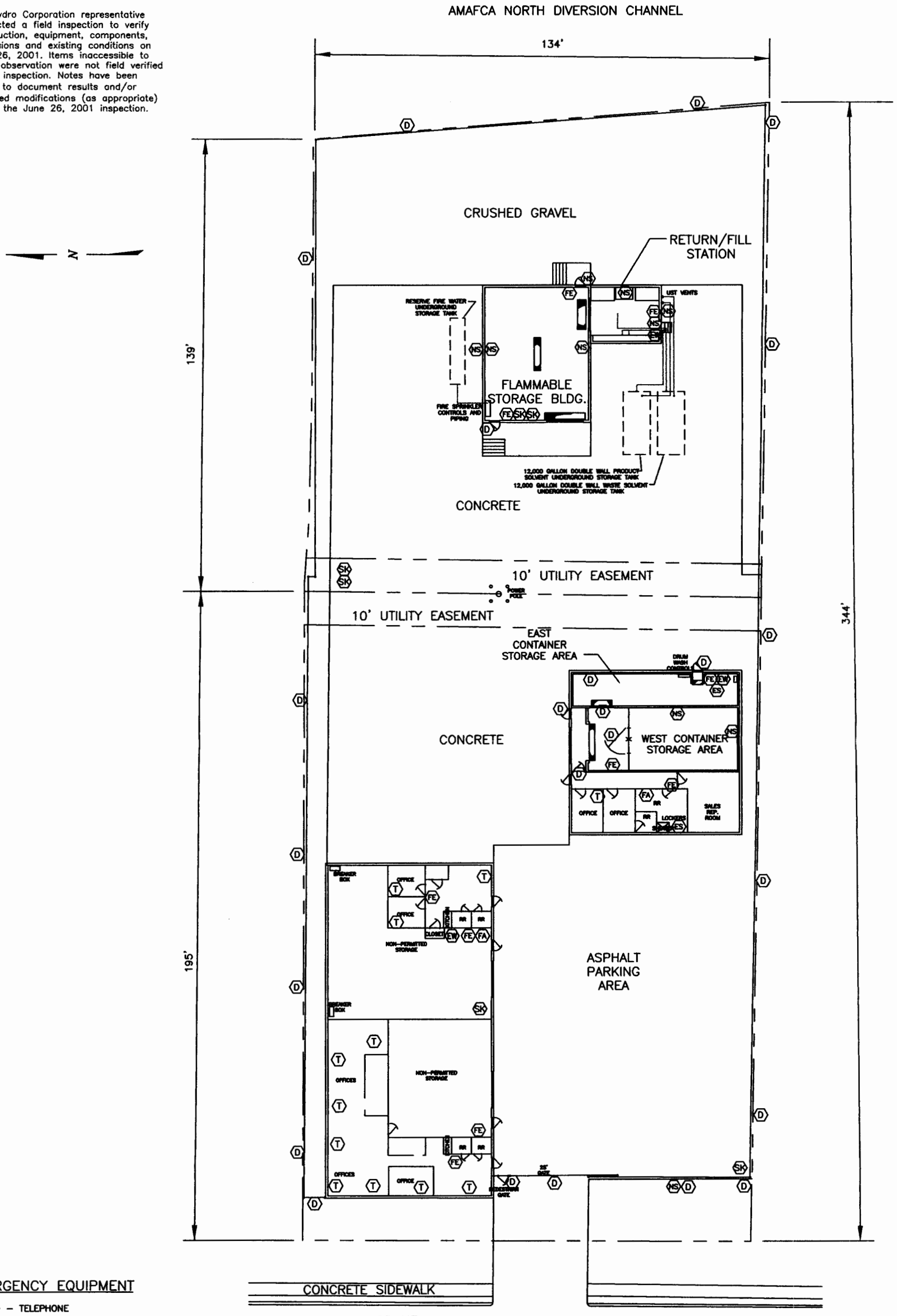
Showers--Should be checked periodically to ascertain that they are operational. Located in locker room area. Eye wash stands are equipped with a hand-held spray nozzle, which may also be used as a shower.

Ventilation--Any area that is closed and collects vapors should be avoided or equipped with proper fans to ensure adequate ventilation.

Fire Extinguisher--Each center should have a minimum of two 10-pound ABC extinguishers, located at the points where solvents are transferred. An ABC extinguisher is a universal system used on paper, wood and electrical, as well as solvent fires. The extinguishers must be full and carry an inspection tag.

Absorbent Material--An adequate supply (200 sheets, 2 bales and/or vermiculate) should be on hand to handle small spills. In the event of a spill, absorbents will be used to clean up spilled materials. Contaminated absorbent material will be placed in drums and managed as hazardous waste.

A Trihydro Corporation representative conducted a field inspection to verify construction, equipment, components, dimensions and existing conditions on June 26, 2001. Items inaccessible to visual observation were not field verified during inspection. Notes have been added to document results and/or observed modifications (as appropriate) during the June 26, 2001 inspection.



EMERGENCY EQUIPMENT

- (T) – TELEPHONE
- (FE) – FIRE EXTINGUISHER
- (FA) – FIRST AID STATION
- (D) – "DANGER" SIGN (May also include "No Smoking" and "Caution" signs)
- (NS) – "NO SMOKING" SIGN
- (EW) – EYE WASH STATION
- (ES) – EMERGENCY SHOWER
- (SK) – SPILL KIT

0 30 ft.
SCALE

REVISIONS	
Date	By

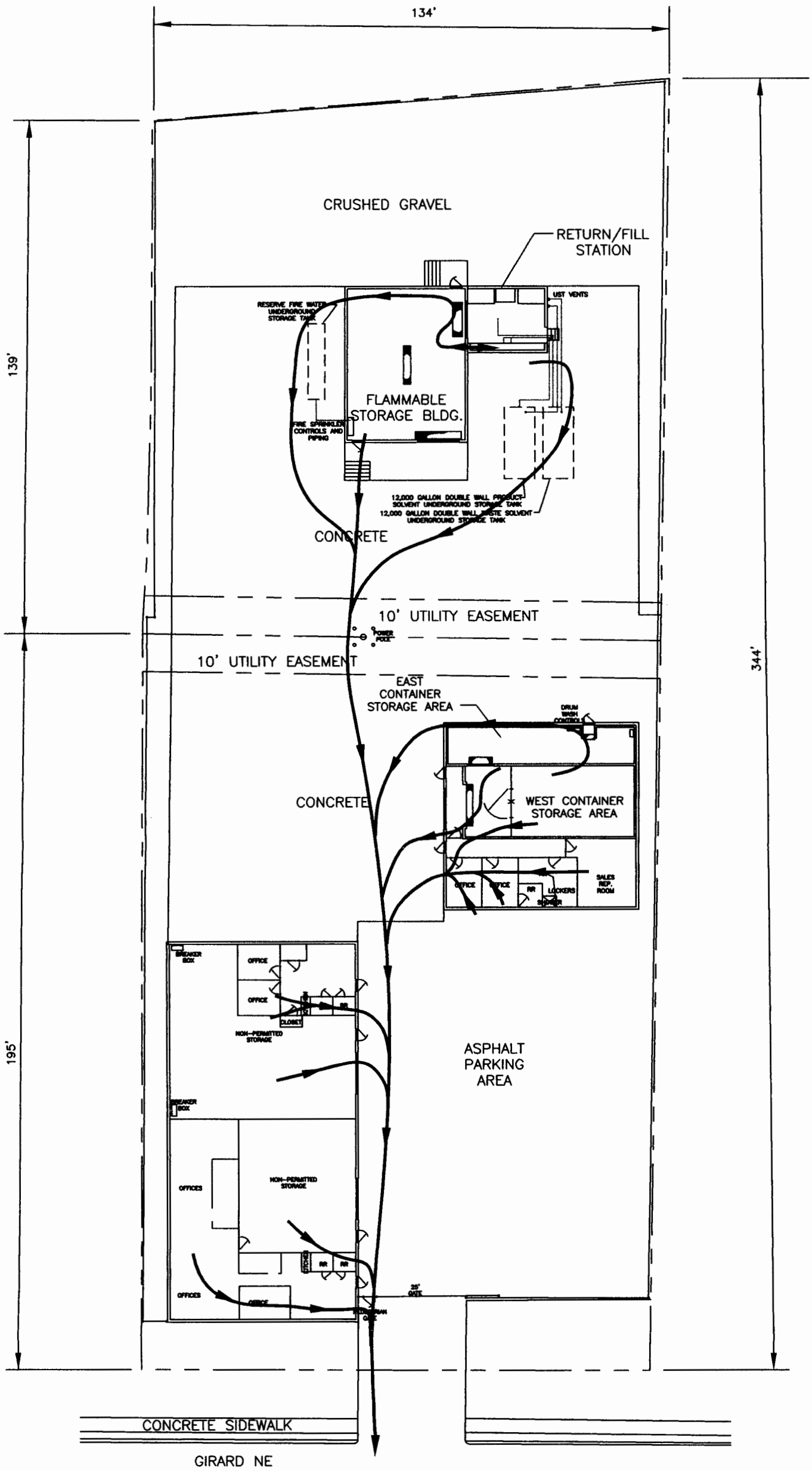
TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE F-1
EMERGENCY EQUIPMENT
LOCATION PLAN
2720 GIRARD NE,
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4800

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/20/01	Reference: 023SITE

AMAFCA NORTH DIVERSION CHANNEL



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N

0 30 ft.

SCALE

REVISIONS	
Date	By

TRIHYDRO corporation
920 Sheridan Street
Laramie, Wyoming 82070

FIGURE F-2
EVACUATION PLAN
2720 GIRARD NE,
ALBUQUERQUE, N.M.

SAFETY-KLEEN SYSTEMS, INC.
1301 Gervais Street, Suite 300, Columbia, South Carolina, 29201,
Phone (803) 933-4200

Drawn By: DJR	Checked By: BC	Scale: SHOWN	Date: 7/16/01	Reference: 023SITE

ATTACHMENT F-3

EXAMPLE MATERIAL SAFETY DATA SHEETS FOR TYPICAL SAFETY-KLEEN PRODUCTS

SAFETY-KLEEN 105 SOLVENT VIRGIN

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SAFETY-KLEEN 105 SOLVENT VIRGIN**

SYNONYMS: (Also known as SAFETY-KLEEN 105 SOLVENT VIRGIN - CALIF.) Parts Washer Solvent; Petroleum Distillates; Petroleum Naptha; Naptha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBERS: (Also known as 6609, 1011614, and 1014614.) 6610

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: **1-800-669-5740 Extension 7500**

MSDS FORM NUMBER: 82341 (also formerly 82340) **ISSUE:** April 4, 1997

ORIGINAL ISSUE: February 13, 1991 **SUPERSEDES:** April 12, 1994

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

				OSHA PEL		ACGIH TLV			
WT%	NAME	SYNONYM	CAS NO.	TWA	STEL	TWA	STEL	LD[a]	LC[b]
100	Distillates (petroleum), hydrotreated light	N.Av.	64742-47-8[d]	500[c] ppm	N.Av.	100[c] ppm	N.Av.	>5000	>5500[c] mg/m^3/ 4 hours

N.Av. = Not Available
[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]Based on Stoddard Solvent.
[d]For Stoddard Solvent: 5000 ppm IDLH (Immediately Dangerous to Life or Health)

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, clear, colorless or green, mild hydrocarbon odor.

IMMEDIATE HAZARDS
Combustible liquid and vapor.
Harmful if inhaled.
Eye and skin irritant.
May be harmful if swallowed.

DELAYED HAZARDS
Contains material which may cause central nervous system damage.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, irregular heartbeat, and other central nervous system effects. Massive acute overexposure may result in rapid central nervous system depression, sudden collapse, deep coma, and death.

EYES: Direct contact with materials or exposure to vapors may cause irritation with watering, stinging, or redness.

SKIN: Direct contact with materials or exposure to vapors may cause irritation. A single, prolonged exposure is not likely to cause the material to be absorbed through the skin in harmful amounts.

INGESTION (SWALLOWING): May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing cardiac, lung, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling, or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENCITY**.

Also see **SECTION 15: CALIFORNIA**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 105°F (40°C) (minimum) Tag Closed Cup

FLAMMABLE LIMITS IN AIR: **LOWER:** 0.7 VOL% (minimum)
UPPER: 13 VOL% (maximum)

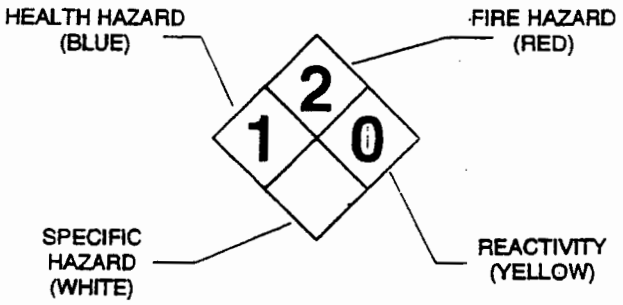
AUTOIGNITION TEMPERATURE: 400°F (205°C) (minimum)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide.

CONDITIONS OF FLAMMABILITY: Heat, sparks, or flame.

EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

NFPA 704 HAZARD IDENTIFICATION: This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. "Empty" containers may retain residue and can be dangerous. Heated containers may rupture. Vapors can travel to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into sealable container for disposal.

Additionally, for large spills: isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limit. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limit. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, Viton®, or equivalent protective gloves; use of butyl rubber, natural rubber, or equivalent gloves is not recommended.

OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear and green, mild hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent).
SPECIFIC GRAVITY:	0.77 to 0.80 60°F/60°F (15.6°C/15.6°C) (water = 1)
DENSITY:	6.4 to 6.7 lb/US gal (770 to 800 g/l)
VAPOR DENSITY:	5 (air = 1) (approximately)
VAPOR PRESSURE:	0.4 mm Hg at 68°F (20°C) (approximately) 1.0 mm Hg at 100°F (38°C) (approximately)
BOILING POINT:	310°F (155°C) (initial)
FREEZING/MELTING POINT:	-45°F (-43°C) (maximum)
pH:	Not applicable.
EVAPORATION RATE:	0.1 (butyl acetate = 1)
SOLUBILITY IN WATER:	Insoluble.
MOLECULAR WEIGHT:	140 (approximately)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid acids, alkalies, oxidizing agents, reactive halogens, or reducing agents.
REACTIVITY:	Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on best current information, there is no known human sensitization associated with these materials.

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Based on best current information, there is no known carcinogenicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive. toxicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with these materials.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with these materials.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with these materials.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.4 to 6.7 lb/US gal; 770 to 800 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODES: D001, D018
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), NA1993, PG III

TDG: Petroleum Distillates, N.O.S., Class 3, UN1268, PG III

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Materials pose the following physical and health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: These products do not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of these products are listed on the TSCA Inventory.

CALIFORNIA: These products contain a detectable amount of benzene CAS 71-43-2. This material is listed by the State of California as a known carcinogen.

These products contain a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: B3, D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of these products are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New format.

LABEL/OTHER INFORMATION: Not available.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

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SAFETY-KLEEN 105 SOLVENT RECYCLED

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

safety-kleen.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN 105 SOLVENT RECYCLED

SYNONYMS: (Also known as SAFETY-KLEEN 105 SOLVENT RECYCLED - CALIF.) Parts Washer Solvent; Petroleum Distillates; Petroleum Naptha; Naptha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBERS: (Also known as 6614.) 6617, 1011662, 1014662.

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: 1-800-669-5740 Extension 7500

MSDS FORM NUMBER: 82310 (also formerly 82311) **ISSUE:** April 4, 1997

ORIGINAL ISSUE: July 20, 1989 **SUPERSEDES:** April 12, 1994

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SAFETY-KLEEN 105 SOLVENT RECYCLED
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

				OSHA PEL		ACGIH TLV			
WT%	NAME	SYNONYM	CAS NO.	TWA	STEL	TWA	STEL	LD[a]	LC[b]
99 to 100	Distillates (petroleum), hydrotreated light	N.Av.	64742-47-8[d]	500[c] ppm	N.Av.	100[c] ppm	N.Av.	>5000	>5500[c] mg/m^3/ 4 hours
0 to 0.2**	Tetrachloroethene*	Perchloroethylene; Tetrachloroethylene	127-18-4	100 ppm	200 ppm (ceiling)	25 ppm	100 ppm	2629	34200 mg/m^3/ 8 hours

N.Av. = Not Available
* See SECTION 15: SARA TITLE III
**Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]Based on Stoddard Solvent.
[d]For Stoddard Solvent: 5000 ppm IDLH (Immediately Dangerous to Life or Health)

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, clear and green, mild hydrocarbon odor.

IMMEDIATE HAZARDS
Combustible liquid and vapor.
Harmful if inhaled.
Eye and skin irritant.
May be harmful if swallowed.

DELAYED HAZARDS
Contains material which may cause central nervous system damage.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, irregular heartbeat, and other central nervous system effects. Massive acute overexposure may result in rapid central nervous system depression, sudden collapse, deep coma, and death

SAFETY-KLEEN 105 SOLVENT RECYCLED
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SKIN: Direct contact with materials or exposure to vapors may cause irritation. A single, prolonged exposure is not likely to cause the material to be absorbed through the skin in harmful amounts.

INGESTION (SWALLOWING): May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing cardiac, lung, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling, or burns.

CANCER INFORMATION: These materials contain perchloroethylene CAS 127-18-4 (0 to 0.2 WT%) which may cause cancer. Risk of cancer depends on duration and level of exposure. For more information, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 105°F (40°C) (minimum) Tag Closed Cup

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MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

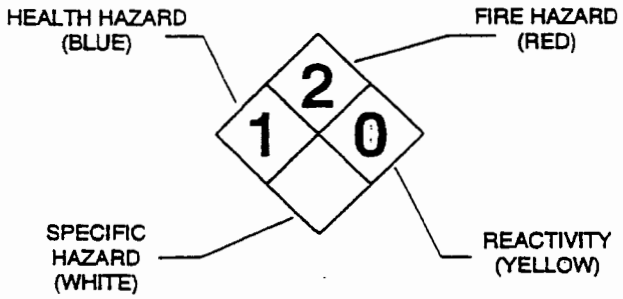
AUTOIGNITION TEMPERATURE: 400°F (205°C) (minimum)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide.

CONDITIONS OF FLAMMABILITY: Heat, sparks, or flame.

EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray, or water fog.

NFPA 704 HAZARD IDENTIFICATION: This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. "Empty" containers may retain residue and can be dangerous. Heated containers may rupture. Vapors can travel to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into sealable container for disposal.

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OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR: Liquid, clear and green, mild hydrocarbon odor.

ODOR THRESHOLD: 30 ppm (based on Stoddard Solvent).

SPECIFIC GRAVITY: 0.77 to 0.80 60°F/60°F (15.6°C/15.6°C) (water = 1)

DENSITY: 6.4 to 6.7 lb/US gal (770 to 800 g/l)

VAPOR DENSITY: 5 (air = 1) (approximately)

VAPOR PRESSURE: 0.4 mm Hg at 68°F (20°C) (approximately)
1.0 mm Hg at 100°F (38°C) (approximately)

BOILING POINT: 310°F (155°C) (initial)

FREEZING/MELTING POINT: -45°F (-43°C) (maximum)

pH: Not applicable.

EVAPORATION RATE: 0.1 (butyl acetate = 1)

SOLUBILITY IN WATER: Insoluble.

MOLECULAR WEIGHT: 150 (approximately)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.

INCOMPATIBILITY: Avoid acids, alkalies, oxidizing agents, reactive halogens, or reducing agents.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on best current information, there is no known human

SAFETY-KLEEN 105 SOLVENT RECYCLED
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, Viton®, or equivalent protective gloves; use of butyl rubber, natural rubber, or equivalent

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CARCINOGENICITY:

IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Perchloroethylene is listed by IARC as a possible carcinogen. Perchloroethylene is classified by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals.

Also see **SECTION 3: CANCER INFORMATION** and **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY:

Perchloroethylene has demonstrated experimental effects of reproductive toxicity.

Based on best current information, the other component listed in **SECTION 2** is not a reproductive toxin.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY:

Perchloroethylene has demonstrated experimental effects of teratogenicity.

Based on best current information, the other component listed in **SECTION 2** is not a teratogen.

MUTAGENICITY:

Perchloroethylene has demonstrated human effects of mutagenicity.

Based on best current information, the other component listed in **SECTION 2** is not a mutagen.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S):

Based on best current information, there are no known toxicologically synergistic products associated with these materials.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.4 to 6.7 lb/US gal; 770 to 800 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SAFETY-KLEEN 105 SOLVENT RECYCLED
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODES: D001, D018, D027, D039, and D040.
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), NA1993, PG III

IMDG: Petroleum Distillates, N.O.S., Class 3, UN1268, PG III

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Materials pose the following physical and health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: Asterisked component in **SECTION 2** is subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of these products are listed on the TSCA Inventory.

CALIFORNIA: These products contain detectable amounts of benzene CAS 71-43-2, p-dichlorobenzene CAS 106-46-7, methylene chloride CAS 75-02-2, perchloroethylene CAS 127-18-4, and trichloroethylene CAS 79-01-6. These materials are listed by the State of California as known carcinogens.

These products contain a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

SAFETY-KLEEN 105 SOLVENT RECYCLED
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: B3, D2A, D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of these products are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New format.

LABEL/OTHER INFORMATION: These products are United States Department of Agriculture (USDA) and Factory Mutual (FM) approved.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

WE CARE

IMMERSION CLEANER AND COLD PARTS CLEANER
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1 -- PRODUCT AND PREPARATION INFORMATION

PRODUCT INFORMATION

IDENTITY (TRADE NAME): IMMERSION CLEANER AND COLD PARTS CLEANER

SYNONYMS: None

SK PART NUMBERS: 50, 699, 6861, 9699

FAMILY/CHEMICAL NAME: None

PRODUCT USE: For cleaning carburetors and metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONE	*MEDICAL:*	*TRANSPORTATION:*
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA)** **1-312-942-5969 (CANADA)**	**1-708-888-4660 (USA)** **1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp. - 1000 North Randall Road- Elgin, IL, 60123-7857 USA
Telephone number: 1-800-669-5740
Safety-Kleen Canada Inc. - 300 Woolwich Street South - Breslau, ON, Canada N0B 1M0 Telephone number: 1-800-265-2792

PREPARATION INFORMATION

MSDS FORM NO.: 82411 *REVISION DATE:* April 11, 1997

ORIGINAL ISSUE DATE: December 1, 1989 *SUPERSEDES:* December 1, 1994

PREPARED BY: Product MSDS Coordinator *APPROVED BY:* MSDS Task Force

TELEPHONE NUMBER: **For Product Technical Information Call 1-312-694-2700 (USA); 1-519-648-2291 (Canada)**

SECTION 2 -- HAZARDOUS COMPONENTS

				OSHA PEL		ACGIH TLV		OTHER DATA	
NAME	SYNONYM	CAS NO.	WT%	TWA	STEL	TWA	STEL	LD[a]	LC[b]
Solvent naphtha (petroleum), heavy arom.	Aromatic 150	64742-94-5	30-60	N.Av.[c]	N.Av.	N.Av.	N.Av.	>5000[k]	>5000[k] mg/m^3/4 hours
N-Methyl-2-pyrrolidone	1-Methyl-2-pyrrolidinone	872-50-4	10-30	N.Av.[f]	N.Av.	N.Av.	N.Av.	3914	N.Av.
Propanol, 1(or 2)-(2-methoxy-methylethoxy) -	Dipropylene glycol monomethyl ether	34590-94-8	7-13	100 ppm (skin)	N.Av.	100 ppm (skin)	150 ppm (skin)	5135	N.Av.
Oleic acid	Red Oil	112-80-1	5-10	5[e] mg/m^3	N.Av.	10[d] mg/m^3	N.Av.	74000	N.Av.
Monoethanolamine	2-Amino-ethanol	141-43-5	3-7	3 ppm	N.Av.	3 ppm	6 ppm	1720	N.Av.

IMMERSION CLEANER AND COLD PARTS CLEANER
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

NAME	SYNONYM	CAS NO.	WT%	OSHA PEL TWA	OSHA PEL STEL	ACGIH TLV TWA	ACGIH TLV STEL	OTHER DATA LD[a]	OTHER DATA LC[b]
*Naphthalene[g]	Naphthalin	91-20-3	3-6	10 ppm	N.Av.	10 ppm	15 ppm	490	N.Av.
1,4-Dichlorobenzene	Dichlorobenzene, para-	106-46-7	0-0.2**	75 ppm	N.Av.	75 ppm	110 ppm	500	N.Av.
*Methylene chloride	Dichloromethane	75-09-2	0-0.2**	25 ppm	125 ppm	50 ppm	N.Av.	1600	88000 mg/m^3/30 minutes

N.Av. = Not Available
*See Section 9-SARA Title III
**Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.

[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]NIOSH recommended for a similar material: 14 ppm 10 hour TWA
[d]Vegetable oil mists
[e]Respirable fraction
[f]Manufacturer recommended exposure limit = 100 ppm TWA
[g]Constituent of Solvent naptha (petroleum), heavy arom. (Aromatic 150)
[k]Based on a similar material

SECTION 3 -- EMERGENCY AND FIRST AID PROCEDURES

EYES: For direct contact, flush eyes with water for 15 minutes lifting upper and lower lids occasionally. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Consult physician if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin twice with soap and water. Consult physician if irritation or pain persists.

INHALATION: (Breathing) Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if breathing has stopped. Do not leave victim unattended. Seek immediate medical attention if necessary.

INGESTION: (Swallowing) Seek immediate medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid aspiration (breathing) into the lungs.

SPECIAL NOTE TO PHYSICIAN: No specific antidote available. Treat symptomatically and supportively. Gastric lavage is not recommended for monoethanolamine poisoning. Call medical emergency telephone number (see Section 1) for additional information.

SECTION 4 -- HEALTH HAZARD DATA AND TOXICOLOGICAL PROPERTIES

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact; inhalation, ingestion.

EXPOSURE LIMITS: See Section 2.

SIGNS AND SYMPTOMS OF EXPOSURE

ACUTE: *Eyes:* Contact with liquid or exposure to vapor may cause severe irritation, pain, and burns.

Skin: Contact removes skin oils, possibly leading to irritation or dermatitis. Dipropylene glycol monomethyl ether [propanol, 1 (or 2)-(2-methoxy-methylethoxy)-] is a skin absorption hazard.

Inhalation (Breathing): High concentrations of vapor or mist may irritate the respiratory tract. High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, irregular heartbeat, and other central nervous system effects. In more severe cases, high concentrations of vapor or mist may cause drunkenness or unconsciousness. When in contact with mucous membranes, liquid aromatic hydrocarbons may cause vasodilation and chemical pneumonitis with pulmonary edema, hemorrhaging, and tissue necrosis. Naphthalene poisoning may affect eyes.

Ingestion (Swallowing): Harmful or fatal if swallowed. May cause throat irritation, nausea, vomiting, abdominal pain, symptoms of central nervous system depression as noted under ***ACUTE Inhalation***, and myocardial injury. Monoethanolamine may cause mucosal burns of the mouth and esophagus. Breathing into the lungs during ingestion or vomiting may cause lung injury and possibly death.

CHRONIC: Prolonged or repeated eye contact may cause conjunctivitis or tissue injury. Prolonged or repeated skin contact may cause drying, cracking, blisters, or dermatitis. Prolonged or repeated contact with aromatic hydrocarbons has been reported to cause subtle, long-lasting neurological effects. Repeated or prolonged exposure to monoethanolamine may cause inflammatory and ulcerative changes in the mouth and possibly bronchial and gastrointestinal disturbances. Cataracts and corneal ulcerations have been reported in humans following prolonged or repeated exposure to naphthalene.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing liver, kidney, respiratory, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is a limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens, suspected human carcinogens, and animal carcinogens.

Methylene chloride and 1,4-dichlorobenzene are listed by IARC as possible carcinogens. Methylene chloride and 1,4-dichlorobenzene are classified by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Methylene chloride is recognized by ACGIH as a suspected human carcinogen. 1, 4 - Dichlorobenzene is recognized by ACGIH as an animal carcinogen.

Also see Section 9.

OTHER POTENTIAL HEALTH HAZARDS: The following information is required by Canadian WHMIS regulations. Irritancy is covered in *SIGNS AND SYMPTOMS OF EXPOSURE* in Section 4. N-methyl-2-pyrrolidone and methylene chloride have demonstrated experimental effects for reproductive toxicity and mutagenicity. Based on best current information, the other components listed in SECTION 2 are not human sensitizers, toxicologically synergistic, reproductive toxins, mutagens, or teratogens.

SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER: 154
Reference *North American Emergency Response Guidebook*

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. Heated containers may rupture, explode, or be thrown into the air. Vapors are heavier than air and may travel great distances to ignition source and flash back. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

FIRE FIGHTING PROCEDURES: Keep storage containers cool with water spray. Wear positive-pressure, self-contained breathing apparatus (SCBA) and chemical protective clothing. Structural firefighters' protective clothing is not effective. Fully encapsulating suits should be worn for maximum protection.

EXTINGUISHING MEDIA: Carbon dioxide, regular foam, dry chemical, water spray.

CONDITIONS OF FLAMMABILITY: Heat, sparks, or flame.

FLASH POINT: 150°F (65°C) (approximately) Tag Closed Cup

AUTOIGNITION TEMPERATURE: 830°F (444°C) (based on Solvent naphtha (petroleum), heavy arom.)

FLAMMABLE LIMITS IN AIR:	*LOWER:* 0.6 Vol.% (based on Solvent naphtha (petroleum), heavy arom.) *UPPER:* 7.0 Vol.% (based on Solvent naphtha (petroleum), heavy arom.)
HAZARDOUS COMBUSTION PRODUCTS:	Burning may produce carbon monoxide, nitrogen oxides, irritating smoke, and fumes.

SECTION 6 -- REACTIVITY DATA

STABILITY:	Stable under normal temperatures and pressures, and not reactive with water.
INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID):	Avoid acids, oxidizing agents, heat, sparks, or flame. Oleic acid can react with perchlorates and perchloric acid to form explosive products.
HAZARDOUS POLYMERIZATION:	Not known to occur under normal temperatures and pressures.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures.

SECTION 7 -- PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS:	Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. When transferring, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area and avoid breathing vapor or mist.
PERSONAL HYGIENE:	Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.
SHIPPING AND STORING PRECAUTIONS:	Keep container tightly closed when not in use and during transport. Do not pressurize, cut, heat, weld, grind, or expose containers to flame or other sources of ignition. Empty product containers may contain product residue. See Section 9 for Packing Group information.
SPILL PROCEDURES:	Remove all ignition sources. Do not touch or walk through spilled material; stop leak if you can do it without risk. Wear protective equipment specified in Section 7, CONTROL MEASURES. Ventilate area and avoid breathing vapor or mist. For large spills, isolate area and deny entry; dike far ahead of liquid spill for later disposal. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into closable container for disposal. See *North American Emergency Response Guidebook* guide number 154 more information.
WASTE DISPOSAL METHODS:	Dispose in accordance with federal, state, provincial, and local regulations. Contact Safety-Kleen regarding recycling or proper disposal.

CONTROL MEASURES

EYE PROTECTION:	Where there is likelihood of eye contact, wear chemical goggles; contact lens use is not recommended.
PROTECTIVE GLOVES:	Use 4H, Silvershield (PE/EVAL), or equivalent gloves to prevent contact with skin.
RESPIRATORY PROTECTION:	Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134 and in Canada with CSA Standard Z94.4-M1982.

ENGINEERING CONTROLS:	Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.
OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 8 -- PHYSICAL DATA

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear, brown.
ODOR THRESHOLD:	Not available.
SPECIFIC GRAVITY:	0.95 (water = 1)
DENSITY:	7.9 lb/gal
VAPOR DENSITY:	4.4 (air = 1)
VAPOR PRESSURE:	less than 0.4 mm Hg at 68°F (20°C)
BOILING POINT:	340°F (171°C) initial
FREEZING POINT:	less than 10°F (-12°C)
pH:	11
VOLATILE ORGANIC COMPOUNDS: (PHOTOCHEMICALLY REACTIVE AS PER 40 CFR PART 51.100(S))	92 WT%; 7.3 lb/US gal; 874 g/l
EVAPORATION RATE:	1.0 (butyl acetate = 1)
SOLUBILITY IN WATER:	Complete.
COEFFICIENT OF WATER/OIL DISTRIBUTION:	greater than 1
MOLECULAR WEIGHT:	Not available.

SECTION 9 -- OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:	COMPOUND CLEANING LIQUID, N.O.S. (contains Monoethanolamine)
DOT CLASS:	8
DOT ID NUMBER:	NA1760 Packing Group III
TDG CLASSIFICATION:	Corrosive Liquids, N.O.S. (contains monoethanolamine), Class 8, UN1760, Packing Group III

IMMERSION CLEANER AND COLD PARTS CLEANER
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SARA TITLE III:

The asterisked components listed in Section 2 are subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Product poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

WHMIS CLASSIFICATION:

Class B3, Combustible Liquids;
Class D2A, Infectious and Toxic Materials, Other Toxic Effects, Very Toxic Material;
Class E, Corrosive Material

TSCA:

All the components of this product are listed on, or are exempted from the requirement to be listed on, the TSCA Inventory.

CALIFORNIA:

This product contains detectable amounts of benzene CAS 71-43-2, 1,4 -dichlorobenzene CAS 106-46-7, methylene chloride CAS 75-09-2, perchloroethylene CAS 127-18-4, and trichloroethylene CAS 79-01-6. These materials are listed by the State of California as known carcinogens.

This product contains a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

safety-kleen.

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SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782

SYNONYMS: Not available.

PRODUCT PART NUMBER: 6782

PRODUCT USE: Paint gun cleaner.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: 1-800-669-5740 Extension 7500

MSDS FORM NUMBER: 82343 **ISSUE:** April 11,1997

ORIGINAL ISSUE: July 20, 1989 **SUPERSEDES:** April 2, 1996

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

WT%	NAME	SYNONYM	CAS NO.	OSHA PEL TWA ppm	OSHA PEL STEL ppm	ACGIH TLV TWA ppm	ACGIH TLV STEL ppm	LD[a]	LC[b]
30 to 60	*Toluene	Methylbenzene	108-88-3	200	500[n]	50 (skin)	N.Av.	636	49000[b] mg/m^3/ 4 hours
0 to 60**	*Ethylbenzene	Phenylethane	100-41-4	100	N.Av.	100	125	3500	4000[e] ppm/4 hours
10 to 40**	*Methyl ethyl ketone	MEK; Butanone, 2-	78-93-3	200	N.Av.	200	300	2737	23500[b] mg/m^3/ 8 hours
0 to 40**	Methyl propyl ketone	2-Pentanone	107-87-9	200	N.Av.	200	250	1600	2000[b] ppm/4 hours
0 to 40**	*Methyl isobutyl ketone	4-Methyl-2-pentanone; Hexone	108-10-1	100	N.Av.	50	75	2080	4000[e] ppm
0 to 20**	C_5 to C_8 Aliphatic hydrocarbons	N.Av.	109-66-0[c]	1000[c]	N.Av.	600[c]	750[c]	N.Av.	364000[b,c] mg/m^3/ 4 hours
0 to 20**	Acetone	Dimethyl ketone	67-64-1	750	1000	750	1000	5800	50100[b] mg/m^3/ 8 hours
0 to 20**	C_9 to C_{20} Aliphatic hydrocarbons	N.Av.	64741-41-9[d]	500[d]	N.Av.	100[d]	N.Av.	>5000[d]	>5500[b] mg/m^3/ 4 hours
0 to 17**	Isopropyl acetate	1-Methylethyl acetate	108-21-4	250	N.Av.	250	310	N.Av.	50600 mg/m^3/ 8 hours
0 to 17**	Ethyl acetate	Acetic ether	141-78-6	400	N.Av.	400	N.Av.	5620	200000[b] mg/m^3
0 to 17**	Isobutyl acetate	2-Methyl propyl acetate	110-19-0	150	N.Av.	150	N.Av.	13400	8000[e] ppm/4 hours
0 to 17**	N-Butyl acetate	Butyl ethanoate	123-86-4	150	N.Av.	150	200	10768	2000[b] ppm/4 hours
0 to 17**	Propylene glycol methyl ether acetate	1-Methoxy-2-propanol acetate	108-65-6	100[f]	150[f]	N.Av.	N.Av.	8532	4345[b] ppm/6 hours
0 to 17**	Ethyl-3-ethoxypropionate	Ethoxypropionic acid ethyl ester,3-	763-69-9	50[f]	100[f]	N.Av.	N.Av.	5000	1000 ppm/6 hours
0 to 15**	*Xylene	Dimethylbenzene	1330-20-7	100	N.Av.	100	150	4300	5000[b] ppm/4 hours

SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

WT%	NAME	SYNONYM	CAS NO.	OSHA PEL TWA ppm	OSHA PEL STEL ppm	ACGIH TLV TWA ppm	ACGIH TLV STEL ppm	LD[a]	LC[b]
0 to 10**	Ethyl alcohol	Ethanol	64-17-5	1000	N.Av.	1000	N.Av.	7060	20000[b] ppm/ 10 hours
0 to 10**	Isopropyl alcohol	Isopropanol	67-63-0	400	N.Av.	400	500	5045	16000[b] ppm/8 hours
0 to 10**	*N-Butyl alcohol	Butanol	71-36-3	100	N.Av.	50[k] (Skin) (Ceiling)	N.Av.	790	8000[b] ppm/4 hours
0 to 10**	*Tert-Butanol	Trimethylmethanol	75-65-0	100	N.Av.	100	N.Av.	3500	N.Av.
0 to 2.9**	*Methyl alcohol	Methanol	67-56-1	200	N.Av.	200 (Skin)	250 (Skin)	5628	64000[b] ppm/4 hours
0 to 1[g,**]	*1,1,1-Trichloroethane	Methyl chloroform	71-55-6	350	N.Av.	350	450	9600	18000[b] ppm/4 hours
0 to 1[g,**]	*Methylene chloride	Dichloromethane	75-09-2	25	125	50	N.Av.	1600	88000[b] mg/m^3/ 30 minutes
0 to 1[g,**]	*Perchloroethylene	Tetrachloro-ethylene	127-18-4	100	300[p]	25	100	2629	34200[b] mg/m^3/ 8 hours
0 to 1[g,**]	*1,1,2-Trichloro-1,2,2-trifluoroethane	Trichlorotrifluoro-ethane	76-13-1	1000	N.Av.	1000	1250	43000	N.Av.

N.Av. = Not Available
* See **SECTION 15: SARA TITLE III**
**Even though the concentration range does not fall under the ranges prescribed by WHMIS, this is the actual range which varies with each batch of the product.
[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]Based on Pentane
[d]Based on Stoddard Solvent
[e]Inhalation-Rat LCLo
[f]Manufacturer recommended.
[g]Total chlorinated compounds: 0 to 1.0 WT%
[k]Notice of Intended Changes: 25 ppm (ceiling)
[n]10 minutes in an 8 hour shift
[p]5 minutes in any 2 hours in an 8 hour shift.

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, clear and colorless, solvent odor.

IMMEDIATE HAZARDS
Vapors may ignite explosively.
Flammable liquid and vapor.
May cause respiratory tract, eye, and skin irritation.
Harmful if absorbed through skin.

DELAYED HAZARDS
Suspect cancer hazard. Contains materials (less than 1% total) which may cause cancer.
Risk of cancer depends on duration and level of exposure.
Based on experimental data, this product is a possible birth defect hazard.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, and other central nervous system effects. High concentrations of vapor or mist may cause liver or kidney damage. Massive acute overexposure may result in rapid central nervous system depression, sudden collapse, deep coma, and death.

EYES: Direct contact with material or exposure to vapors may cause severe irritation and eye damage.

SKIN: Direct contact with material or exposure to vapors may cause irritation leading to dermatitis or blistering. Toluene, n-butyl alcohol, and methyl alcohol may be absorbed through the skin and cause harm as noted under **INHALATION (BREATHING).**

INGESTION (SWALLOWING): This material may be harmful or fatal if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING).** Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing cardiovascular, liver, kidney, lung, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause drying, cracking, or dermatitis. Prolonged or repeated inhalation may cause cardiac, liver, and kidney damage. Reports have associated repeated or prolonged occupational over exposure to these types of solvents with permanent brain and central nervous system damage.

CANCER INFORMATION: This material contains methylene chloride and perchloroethylene which may cause cancer. Risk of cancer depends on duration and level of exposure. For complete discussion, see **SECTION 11: CARCINOGENICITY**.

Also see **SECTION 15: CALIFORNIA**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Do not administer Adrenaline (epinephrine) or similar drugs following material overexposure. Increased sensitivity of the heart to such drugs may be caused by overexposure to material. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: less than 70°F (21°C) Tag Closed Cup

FLAMMABLE LIMITS IN AIR: **LOWER:** 1.0 VOL% (based on a similar product)
UPPER: 13.2 VOL% (based on a similar product)

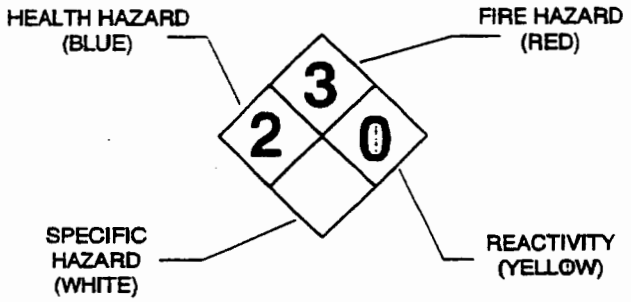
AUTOIGNITION TEMPERATURE: 800°F (427°C) (approximately)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce phosgene gas, chlorides, chloroacetylenes, formaldehyde, peracetic acid, and carbon monoxide.

CONDITIONS OF FLAMMABILITY: Heat, sparks, or flame.

EXTINGUISHING MEDIA: Carbon dioxide, alcohol-resistant foam, dry chemical, or water spray.

NFPA 704 HAZARD IDENTIFICATION: This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

FIRE AND EXPLOSION HAZARDS: This product forms combustible or explosive mixtures with air or oxygen. Decomposition and combustion products may be toxic. "Empty" containers may retain residue and can be dangerous. Heated containers may rupture, explode, or be thrown into the air. Vapors can travel to ignition source and flash back. Vapors will spread along the ground and collect in low or confined areas. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

EMERGENCY RESPONSE GUIDE NUMBER: 127
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled material. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Stop leak if you can do it without risk. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into closable container for disposal.

Additionally, for large spills: isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well-ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Store container in a cool place. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; use of contact lenses is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear polyethylene/ethylene vinyl alcohol, Barricade™ or equivalent gloves; use of natural rubber, butyl rubber, or equivalent gloves is not recommended.

OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR: Liquid, clear and colorless, solvent odor.

ODOR THRESHOLD: Not available.

SPECIFIC GRAVITY: 0.84 (water = 1)

DENSITY: 7.0 lb/US gal (840 g/l)

VAPOR DENSITY: 2.2 to 3.9 (air = 1) (approximately)

VAPOR PRESSURE: 86 mm Hg at 68°F (20°C) (approximately)
205 mm Hg at 100°F (38°C) (approximately)

BOILING POINT: 133° to 342°F (56° to 172°C) (based on a similar product)

FREEZING/MELTING POINT: -200° to -8°F (-129° to -22°C) (approximately)

pH: Not applicable.

EVAPORATION RATE: 3.7 (butyl acetate = 1) (based on a similar product)

SOLUBILITY IN WATER: Slight.

MOLECULAR WEIGHT: 65 to 114 (approximately)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.

INCOMPATIBILITY: Avoid acids, alkalies, oxidizing agents, and halogens.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS**.

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION: Based on best current information, there is no known human sensitization associated with this material.

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Methylene chloride and perchloroethylene are listed by IARC as possible carcinogens. Methylene chloride and perchloroethylene are classified by NTP as having limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. Methylene chloride is recognized by ACGIH as a suspected human carcinogen.

Also see **SECTION 3: CANCER INFORMATION** and **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Toluene, MEK, xylene, ethyl alcohol, isopropyl alcohol, methyl alcohol, 1,1,1-trichloroethane, and perchloroethylene have demonstrated experimental effects of reproductive toxicity.

Based on best current information, the other components listed in **SECTION 2** are not reproductive toxins.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Toluene, ethylbenzene, MEK, N-butyl acetate, xylene, ethyl alcohol, isopropyl alcohol, N-butyl alcohol, methyl alcohol, 1,1,1-trichloroethane, and perchloroethylene have demonstrated experimental effects of teratogenicity.

Based on best current information, the other components listed in **SECTION 2** are not teratogens.

MUTAGENICITY: Toluene, ethyl benzene, xylene, ethyl alchol, isopropyl alcohol, methyl alcohol, ethyl acetate, 1,1,1-trichloroethane, and perchloethylene have demonstrated experimental effects of mutagenicity. Methylene chloride has demonstrated human effects of mutagenicity.

Based on best current information, the other components listed in **SECTION 2** are not mutagens.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with this material.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 80 to 100 WT%; 5.6 to 7.0 lb/US gal; 670 to 840 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODES: D001, D018, D035, D039
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination will make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: PAINT RELATED MATERIAL, 3, UN1263, PGII

TDG: Paint Related Material, Class 3, UN1263, PGII

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Material poses the following physical and health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: Asterisked components in **SECTION 2** are subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of this product are listed on TSCA Inventory.

CALIFORNIA: This product contains detectable amounts of benzene CAS 71-43-2, methylene chloride CAS 75-09-2, and perchloroethylene CAS 127-18-4. These materials are listed by the State of California as known carcinogens.

This product contains a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: B2, D1B, D2A, D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of this product are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: Revised **SECTION 1** revision dates; **SECTION 2** OSHA exposure limits for methylene chloride; **SECTION 5: FIRE AND EXPLOSION HAZARDS** and **EMERGENCY RESPONSE GUIDE NUMBER;** and **SECTION 6.**

LABEL/OTHER INFORMATION: This product is USDA approved and UL classified.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

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SAFETY-KLEEN 140 SOLVENT

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

safety-kleen.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SAFETY-KLEEN 140 SOLVENT**

SYNONYMS: Parts Washer Solvent; Petroleum Distillates; Petroleum Naptha; Naptha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBERS: 6616, 1011678, 1014678

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: **1-800-669-5740 Extension 7500**

MSDS FORM NUMBER: 82418 **ISSUE:** April 4, 1997

ORIGINAL ISSUE: July 20, 1989 **SUPERSEDES:** April 12, 1994

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

INGESTION (SWALLOWING): May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing cardiac, lung, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling, or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENCITY**.

Also see **SECTION 15: CALIFORNIA**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 140°F (60°C) (minimum) Tag Closed Cup

FLAMMABLE LIMITS IN AIR: **LOWER:** 0.7 VOL% (minimum)
UPPER: 13 VOL% (maximum)

AUTOIGNITION TEMPERATURE: 400°F (205°C) (minimum)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limit. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limit. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, Viton®, or equivalent protective gloves; use of butyl rubber, natural rubber, or equivalent gloves is not recommended.

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Based on best current information, there is no known carcinogenicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with these materials.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with these materials.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with these materials.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.5 to 6.8 lb/US gal; 780 to 810 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODE: D018
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New format.

LABEL/OTHER INFORMATION: These products are United States Department of Agriculture (USDA) approved and Underwriters Laboratories (UL) listed.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

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SAFETY-KLEEN PREMIUM SOLVENT

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

safety-kleen.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN PREMIUM SOLVENT

SYNONYMS: (Also known as SAFETY-KLEEN PREMIUM SOLVENT - CALIF.) Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBERS: (Also known as 6608.) 6605.

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: **1-800-669-5740 Extension 7500**

MSDS FORM NUMBER: 82529 (also formerly 82573) **ISSUE:** April 4, 1997

ORIGINAL ISSUE: January 7, 1993 **SUPERSEDES:** April 12, 1994

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

				OSHA PEL		ACGIH TLV			
WT%	NAME	SYNONYM	CAS NO.	TWA	STEL	TWA	STEL	LD[a]	LC[b]
100	Distillates (petroleum), hydrotreated light	N.Av.	64742-47-8	500[c] ppm	N.Av.	100[c] ppm	N.Av.	>5000[d]	>2000 mg/m^3/ 4 hours

N.Av. = Not Available
[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]Based on Stoddard Solvent.
[d]Skin-Rat LD50>2000 mg/kg

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.

IMMEDIATE HAZARDS
Combustible liquid and vapor.
Harmful if inhaled.
Eye and skin irritant.
May be harmful if swallowed.

DELAYED HAZARDS
Contains material which may cause central nervous system damage.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, irregular heartbeat, and other central nervous system effects. Massive acute overexposure may result in rapid central nervous system depression, sudden collapse, deep coma, and death.

EYES: Direct contact with materials or exposure to vapors may cause irritation.

SKIN: Direct contact with materials or exposure to vapors may cause irritation. A single, prolonged exposure is not likely to cause the material to be absorbed through the skin in harmful amounts.

INGESTION (SWALLOWING): May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing lung, cardiac, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling, or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENCITY**.

Also see **SECTION 15: CALIFORNIA**.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 148°F (64°C) Tag Closed Cup (minimum)

FLAMMABLE LIMITS IN AIR: **LOWER:** 0.5 VOL% (minimum)
UPPER: 9.3 VOL% (maximum)

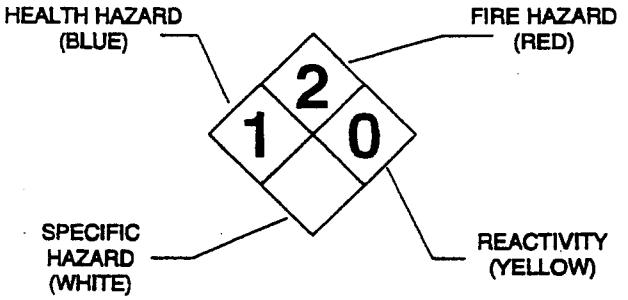
AUTOIGNITION TEMPERATURE: 440°F (227°C) (minimum)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide.

CONDITIONS OF FLAMMABILITY: Heat, sparks, or flame.

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, water spray, or water fog.

NFPA 704 HAZARD IDENTIFICATION: This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. "Empty" containers may retain residue and can be dangerous. Heated containers may rupture. Vapors can travel to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into sealable container for disposal.

Additionally, for large spills: isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limit. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limit. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, Viton®, or equivalent protective gloves; use of butyl rubber, natural rubber, or equivalent gloves is not recommended.

OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent)
SPECIFIC GRAVITY:	0.78 to 0.82 60°F/60°F (15.6°C/15.6°C) (water = 1)
DENSITY:	6.5 to 6.8 lb/US gal (780 to 820 g/l)
VAPOR DENSITY:	5 (air = 1) approximately
VAPOR PRESSURE:	0.2 mm Hg at 68°F (20°C) (approximately) 0.6 mm Hg at 100°F (38°C) (approximately)
BOILING POINT:	350°F (177°C) (initial)
FREEZING/MELTING POINT:	less than -45°F (-43°C)
pH:	Not applicable.
EVAPORATION RATE:	0.1 (butyl acetate = 1)
SOLUBILITY IN WATER:	Insoluble.
MOLECULAR WEIGHT:	160 (approximately)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid acids, alkalies, oxidizing agents, reducing agents, or reactive halogens.
REACTIVITY:	Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION:	Based on best current information, there is no known human sensitization associated with these materials.

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Based on best current information, there is no known carcinogenicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with these materials.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with these materials.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with these materials.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: A Static Acute Bioassay as per the California Department of Fish and Game WPCL, was done using fathead minnows, and up to 750 ppm of the products in water.

The material passed the bioassay with only 1 out of 10 minnows dying. To fail the bioassay, more than 40% of the fish would die in 750 ppm.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.5 to 6.8 lb/US gal; 780 to 820 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODE(S): Not regulated.
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), NA1993, PGIII

TDG: Not regulated.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Materials pose the following physical and health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: These products do not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of these products are listed on the TSCA Inventory.

CALIFORNIA: These products may contain a detectable amount of benzene CAS 71-43-2. This material is listed by the State of California as a known carcinogen.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the benzene level is at or below the product specification of 0.4 mg/l.

These products may contain a detectable amount of p-dichlorobenzene CAS 106-46-7. This material is listed by the State of California as a known carcinogen.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the p-dichlorobenzene level is at or below 7.5 mg/l.

These products may contain a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the toluene level is at or below 500 mg/l.

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: B3, D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of these products are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New format.

LABEL/OTHER INFORMATION: These products are United States Department of Agriculture (USDA) approved.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

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HEAVY DUTY AQUEOUS CLEANER

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

safety-kleen.

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HEAVY DUTY AQUEOUS CLEANER

SYNONYM: Not available.

PRODUCT PART NUMBER: 6865

PRODUCT USE: Paint gun cleaner for water based paints.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	1-800-752-7869 (USA) Extension 2	1-800-468-1760 (USA)
	1-312-942-5969 (CANADA)	1-613-996-6666 (CANADA)

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: **1-800-669-5740 Extension 7500**

MSDS FORM NUMBER: **82640**

ISSUE: March 18, 1997

ORIGINAL ISSUE: September 16, 1994

SUPERSEDES: April 26, 1996

PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

SECTION 2: COMPOSITION/ INFORMATION ON INGREDIENTS

				OSHA PEL		ACGIH TLV			
WT%	NAME	SYNONYM	CAS NO.	TWA	STEL	TWA	STEL	LD[a]	LC[b]
1 to 5	Multifunctional amine*	*	*	N.Av.	N.Av.	N.Av.	N.Av.	2000	1641 ppm/4 hours

N.Av. = Not Available

[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50

Proprietary. WHMIS registry 3766; filing date 96/02/16

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, colorless to pale yellow, amine odor.

IMMEDIATE HAZARDS
May be harmful if inhaled.
May cause severe eye and skin irritation.

DELAYED HAZARDS
Repeated or prolonged eye contact may cause conjunctivitis.
Repeated or prolonged skin contact may cause dermatitis.
Sensitization dermatitis may occur in previously exposed individuals.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, and other central nervous system effects.

EYES: Direct contact with material or exposure to vapors may cause severe irritation with possible injury.

SKIN: Direct contact with material or exposure to vapors may cause severe irritation. A single, prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

INGESTION (SWALLOWING): This material may be harmful if swallowed. May cause throat irritation, nausea, vomiting, and central nervous system effects as noted under **INHALATION (BREATHING)**. Breathing material into the lungs during ingestion or vomiting may cause lung injury and possible death.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with epilepsy or pre-existing lung, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated eye contact may cause severe irritation, burns, corneal injury, or blindness, Prolonged or repeated skin contact may cause severe irritation, dermatitis, or burns. Prolonged or repeated inhalation may cause toxic effects.

CANCER INFORMATION: Not applicable.

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Seek medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: Not applicable. (Combustion is not expected).

FLAMMABLE LIMITS IN AIR: Not applicable. (Combustion is not expected).

AUTOIGNITION TEMPERATURE: Not applicable. (Combustion is not expected).

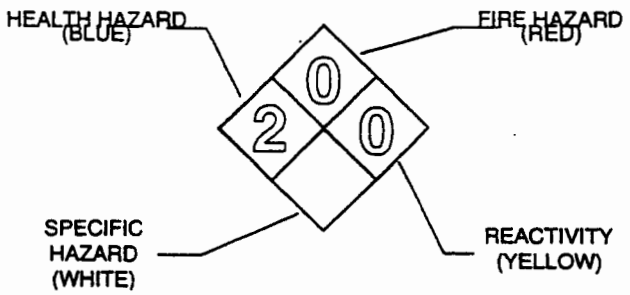
HAZARDOUS COMBUSTION PRODUCTS: Although combustion is not expected, if burning occurs, toxic and corrosive compounds may be produce.

CONDITIONS OF FLAMMABILITY: Not applicable. (Combustion is not expected).

EXTINGUISHING MEDIA: Carbon dioxide, alcohol foam, dry chemical, or water spray.

NFPA 704 HAZARD IDENTIFICATION:

This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS:

Not applicable. (Combustion is not expected).

FIRE AND EXPLOSION HAZARDS:

This is an aqueous solution and is not expected to sustain combustion. Not sensitive to mechanical impact or static discharge.

EMERGENCY RESPONSE GUIDE NUMBERS:

31
Reference *DOT Emergency Response Guidebook*

49
Reference *Dangerous Goods Initial Emergency Response Guide*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Contain away from surface waters and sewers. If possible, sorb with compatible sorbent material and place into closable container for disposal.

Additionally, for large spills: isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Avoid contact with eyes, skin, clothing, or shoes. Use in well-ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING:

Keep container tightly closed when not in use and during transport. Empty product containers may retain product residue and can be dangerous.

PERSONAL HYGIENE:

Use good personal hygiene. Wash thoroughly with soap and water after handling, and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: No special ventilation requirements.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; use of contact lenses is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear butyl rubber, Nitrile, PE/EVAL, or equivalent gloves; use of natural rubber or equivalent gloves is not recommended.

OTHER PROTECTIVE EQUIPMENT: Where spills and splashes are likely, wear appropriate chemical-resistant faceshield, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR: Liquid, colorless to pale yellow, amine odor,

ODOR THRESHOLD: 0.4 ppb (approximately)

SPECIFIC GRAVITY: 1 (water = 1) (approximately)

DENSITY: 8.34 lb/US gal (100 g/l) (approximately)

VAPOR DENSITY: greater than 1 (air = 1)

VAPOR PRESSURE: 17.5 mm Hg at 68°F (20°C)

BOILING POINT: 212°F (100°C)

FREEZING/MELTING POINT: 32°F (0°C)

pH: 10

EVAPORATION RATE: less than 1 (butyl acetate = 1)

SOLUBILITY IN WATER: Complete.

MOLECULAR WEIGHT: Not applicable

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal temperatures and pressures.

INCOMPATIBILITY: Avoid acids, oxidizing agents, copper, and zinc.

REACTIVITY: Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS**.

SECTION 11: TOXICOLOGICAL INFORMATION

SENSITIZATION: Sensitization dermatitis may occur in previously exposed individuals.

CARCINOGENICITY: Based on best current information, there is no known carcinogenicity associated with this material.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with this material.

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with this material.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with this material.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: Based on best current information, there are no known toxicologically synergistic products associated with this material.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Not available

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 1 to 5 WT%; 0.08 to 0.41 lb/US gal; 10 to 50 g/l
Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODE(S): None.
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination will make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated.

TDG: Not regulated.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Material poses the following health hazards as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard

SARA SECTION 313: Material does not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of this product are listed on the TSCA Inventory.

CALIFORNIA: This product does not contain detectable amounts of any of the materials listed by the State of California as known carcinogens

This product does not contain detectable amounts of any of the materials listed by the State of California as known to cause reproductive toxicity.

CANADIAN REGULATIONS

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS: D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of this product are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: SECTION 8; SKIN PROTECTION

LABEL/OTHER INFORMATION: Not available.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

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CHURCH & DWIGHT CO., INC.

469 NORTH HARRISON STREET PRINCETON, NJ 08543-5297
PHONE (609) 683-5900 CABLE ADDRESS: CHURDWIGHT
TWX 710 480 9286

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product Name

AquaWorks™ Cold Cleaning Solution

Emergency Phone:
1-609-683-5900 (U.S.A.)

Medical Emergency Phone:
1-800-228-5635
Ext. 007 (U.S.A.)

2. COMPOSITION/INFORMATION ON INGREDIENTS

- Not hazardous under the OSHA Hazard Communication Standard 29 CFR 1910.1200.
- Contains no components that are reported to be carcinogenic by any reference source including IARC, OSHA, NTP and EPA.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Pale yellow clear liquid.
Slight/mild odor.
Not a primary skin irritant.
May cause mild eye irritation.
Not a fire hazard.
No other significant health or environmental effects known or anticipated.

HMIS Rating	
Health	0
Fire	0
Reactivity	0

Potential Health Effects

EYE: May be mildly irritating to eyes.

SKIN CONTACT: May cause slight irritation from continually repeated, prolonged, or occluded contact.

INGESTION: Considered non-toxic. Swallowing a small amount (< 1 ounce) is not likely to have an adverse effect. Ingestion of a large quantity (more than an ounce) may cause abdominal discomfort and may irritate the alimentary mucosa.

INHALATION: Considered non-toxic. Prolonged inhaling of mist may aggravate pre-existing upper respiratory disorders and cause irritation to the nose, throat and lungs.

SUBCHRONIC EFFECTS/CARCINOGENICITY: None known. The ingredients in this product are not listed as carcinogens or potential carcinogens by NTP Annual Report, IARC Group I or II, OSHA 29 CFR 1910 Subpart Z, and ACGIH Appendix A.

MATERIAL SAFETY DATA SHEET

4. FIRST AID MEASURES

SKIN: Remove contaminated clothing. Wash exposed areas with soap and water.

EYES: Immediately flush eyes with clean, flowing water, low pressure and luke warm if possible, occasionally lifting upper and lower eyelids. Make sure contact lenses are removed. Seek medical attention if irritation develops.

INHALATION: Move from area of exposure. Treat symptomatically. Seek medical attention if irritation develops or if person has difficulty breathing.

INGESTION: If large amounts are ingested, do not induce vomiting. If person is conscious, give two glasses of water to drink. Do not attempt to give anything orally to an unconscious person. Seek medical attention.

NOTE TO PHYSICIAN: Ingestion of large amounts may cause systemic alkalosis. Treatment based on judgement of physician in response to reactions of patient.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASHPOINT: Not Applicable
METHOD USED: Not Applicable

FLAMMABLE LIMITS

LFL: Not Applicable
UFL: Not Applicable

EXTINGUISHING MEDIA: Use extinguishing media for surrounding fire.

FIRE-FIGHTING INSTRUCTIONS: Carbon dioxide may be generated by thermal decomposition or exposure to acids. Thermal decomposition may also yield carbon monoxide and oxides of sulfur and nitrogen. Wear a self-contained breathing apparatus (SCBA) and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

6. ACCIDENTAL RELEASE MEASURES

Will create slippery conditions if spilled. Close off area to traffic. Exercise proper cautions during clean-up. Large spills should be contained. Absorb using clay or commercial absorbent and dispose of in suitable waste containers as regulations permit (See Section 12). Flush residues to sewer or waste water system. Prevent eye and skin contact by wearing appropriate protective equipment (See Section 8). Be sure cleaned area is dry or slip-free before reopening to traffic.

7. HANDLING AND STORAGE

Store in original containers away from incompatible materials (acids). Keep containers tightly closed. Prevent skin and eye contact during handling by wearing appropriate protective equipment (See Section 8).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required under normal use conditions. If mists are generated, wear a NIOSH approved respirator.

PROTECTIVE GLOVES: It is good personal and industrial hygiene to prevent skin contact with the solution. Impermeable gloves are recommended to prevent skin contact during use or for cleaning up spills.

EYE PROTECTION: Chemical splash goggles are recommended when handling or working with solution, or for cleaning up spills.

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PHONE (609) 683-5900 CABLE ADDRESS: CHURDWIGHT
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MATERIAL SAFETY DATA SHEET

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont'd)

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As part of normal personal hygiene, wear an impermeable apron where splashing of solution cannot be avoided.

VENTILATION: No special requirements unless mists are generated, then use local exhaust ventilation.

PROTECTIVE WORK/HYGIENIC PRACTICES: No special requirements with respect to chemical exposure other than those noted above. Specific requirements with respect to equipment and specific applications are the responsibility of the user.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pale yellow clear liquid
ODOR: Slight/mild
PHYSICAL STATE: Liquid
pH AS IS: Approximately 11.0
VAPOR PRESSURE: N/A
BOILING POINT: 100-110^0 C
FREEZING POINT: -10^0 C - 0^0 C
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY (Water = 1): Approximately 1.0 @ 25^0 C
APPARENT DENSITY: 8.4 lbs/gal @ 25^{0}C
SURFACE TENSION: Not determined
VISCOSITY: < 100 cp
% VOLATILE: Approximately 98% as water
VOLATILE ORGANIC COMPOUNDS: None with vp $\geq$0.1 mm Hg.

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Acids

INCOMPATIBILITY WITH OTHER MATERIALS: Reacts with acids to release carbon dioxide.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce carbon monoxide, carbon dioxide, and fumes of SO_x and NO_x.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: No specific data available. Tests on concentrated versions of similar formulations indicate that mild to moderate irritation is possible with those concentrates. These effects are minimized and reversible with immediate treatment with no corneal involvement or visual impairment expected. The 10% bath solution can be expected to have a minimal to mild effect if not treated.

SKIN EFFECTS: No specific data available. Not a primary skin irritant based on testing of a concentrated version of a similar formulation. Bath solution may be irritating to humans under conditions of repeated or prolonged contact. Any irritant effect would be expected to be minimal and fully reversible.

MATERIAL SAFETY DATA SHEET

11. TOXICOLOGICAL INFORMATION (cont'd)

ACUTE ORAL EFFECTS: No specific data available. Concentrated versions of similar formulations have been shown to be non-toxic with an LD_{50} > 5000 mg/kg.

INHALATION EFFECTS: No data available. May cause irritation to upper respiratory tract if inhaled as a mist. Irritation would be expected to be transient with no permanent damage.

12. DISPOSAL CONSIDERATIONS

Dispose of spilled or waste product and other large amounts in accordance with all local, state and federal environmental regulations. State and local regulations may differ from Federal. Be sure to consult with appropriate agencies for specific rules.

13. TRANSPORTATION INFORMATION

D.O.T. SHIPPING NAME: Not regulated
TECHNICAL SHIPPING NAME: AquaWorks™ Cold Cleaning Solution
D.O.T. HAZARD CLASS: None
U.N./N.A. NUMBER: None
HAZARDOUS SUBSTANCE/RQ: None
D.O.T. LABEL: None
D.O.T. PLACARD: None

14. REGULATORY INFORMATION

OSHA

This product has been assessed as nonhazardous under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

TSCA

The ingredients in this product are reported in the U.S. EPA TSCA Inventory.

15. MSDS REVISION SUMMARY

SUPERSEDES DATE: 3/20/97

REASON FOR REVISION: Deleted cleaner from the product name. Added Safety-Kleen part number to header.

This Product Safety Data Sheet is offered solely for your information, consideration and investigation. Church & Dwight Co., Inc. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of data contained herein. Church & Dwight Co., Inc. urges persons receiving this information to make their own determination as to the information suitability for their particular application.

SAFETY-KLEEN PREMIUM GOLD SOLVENT

MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SAFETY-KLEEN PREMIUM GOLD SOLVENT

SYNONYMS: (Also known as SAFETY-KLEEN PREMIUM GOLD SOLVENT - CALIF. and SAFETY-KLEEN PREMIUM SOLVENT.) Parts Washer Solvent; Petroleum Distillates; Petroleum Naphtha; Naphtha, Solvent; Stoddard Solvent; Mineral Spirits.

PRODUCT PART NUMBERS: (Also known as 6639.) 6638.

PRODUCT USE: Cleaning and degreasing metal parts.
If this product is used in combination with other chemicals, refer to the Material Safety Data Sheets for those chemicals.

24-HOUR EMERGENCY TELEPHONES

	MEDICAL:	TRANSPORTATION (SPILL):
These numbers are for emergency use only. If you desire non-emergency information about this product, please call a telephone number listed below.	**1-800-752-7869 (USA) Extension 2**	**1-800-468-1760 (USA)**
	1-312-942-5969 (CANADA)	**1-613-996-6666 (CANADA)**

MANUFACTURER/SUPPLIER: Safety-Kleen Corp.
1000 North Randall Road
Elgin, IL, 60123-7857 USA
1-800-669-5740

TECHNICAL INFORMATION: 1-800-669-5740 Extension 7500

MSDS FORM NUMBER: 82658 (also formerly 82657) **ISSUE:** April 4, 1997

ORIGINAL ISSUE: January 26, 1995 **SUPERSEDES:** September 18, 1996

PREPARED BY: Product MSDS Coordinator **APPROVED BY:** MSDS Task Force

SAFETY-KLEEN PREMIUM GOLD SOLVENT
MATERIAL SAFETY DATA SHEET FOR USA AND CANADA

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

				OSHA PEL		ACGIH TLV			
WT%	NAME	SYNONYM	CAS NO.	TWA	STEL	TWA	STEL	LD[a]	LC[b]
100	Distillates (petroleum), hydrotreated light	N.Av.	64742-47-8	500[c] ppm	N.Av.	100[c] ppm	N.Av.	>5000[d]	>2000 mg/m^3/ 4 hours

N.Av. = Not Available
[a]Oral-Rat LD50 (mg/kg)
[b]Inhalation-Rat LC50
[c]Based on Stoddard Solvent.
[d]Skin-Rat LD50>2000 mg/kg

See 29 CFR 1910.1000(d)(2) and ACGIH *Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices* booklet (Appendix C) for the determination of exposure limits for mixtures. Consult an industrial hygienist or similar professional to confirm that the calculated exposure limits are appropriate.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

APPEARANCE
Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.

IMMEDIATE HAZARDS
Combustible liquid and vapor.
Harmful if inhaled.
Eye and skin irritant.
May be harmful if swallowed.

DELAYED HAZARDS
Contains material which may cause central nervous system damage.

POTENTIAL HEALTH EFFECTS

INHALATION (BREATHING): High vapor or mist concentrations may be harmful if inhaled. High concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs). High concentrations of vapor or mist may cause nausea and vomiting. High concentrations of vapor or mist may cause headaches, dizziness, incoordination, numbness, irregular heartbeat, and other central nervous system effects. Massive acute overexposure may result in rapid central nervous system depression, sudden collapse, deep coma, and death.

EYES: Direct contact with materials or exposure to vapors may cause irritation.

SKIN: Direct contact with materials or exposure to vapors may cause irritation. A single, prolonged exposure is not likely to cause the material to be absorbed through the skin in harmful amounts.

May cause throat irritation, nausea, vomiting, and central nervous

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with pre-existing lung, cardiac, central nervous system, or skin disorders may have increased susceptibility to the effects of exposure.

CHRONIC: Prolonged or repeated inhalation may cause toxic effects. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball. Prolonged or repeated skin contact may cause drying, cracking, redness, itching, swelling, or burns.

CANCER INFORMATION: No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENCITY**.

Also see **SECTION 15: CALIFORNIA.**

SECTION 4: FIRST AID MEASURES

INHALATION: (BREATHING) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Someone should stay with victim. Get medical attention if breathing difficulty persists.

EYES: For direct contact, immediately flush eyes with plenty of water, holding eyelids apart, for 15 minutes. If irritation or redness from exposure to vapor or mist develops, move away from exposure into fresh air. Get medical attention if irritation or pain persists.

SKIN: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain persists.

INGESTION: (SWALLOWING) Immediately get medical attention. Do NOT induce vomiting. If spontaneous vomiting occurs, keep head below hips to avoid breathing material into the lungs.

NOTE TO PHYSICIANS: No specific antidote available. Treat symptomatically and supportively. Administration of gastric lavage, if warranted, should be performed by qualified medical personnel. Call medical emergency telephone number (see **SECTION 1**) for additional information.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 148°F (64°C) Tag Closed Cup (minimum)

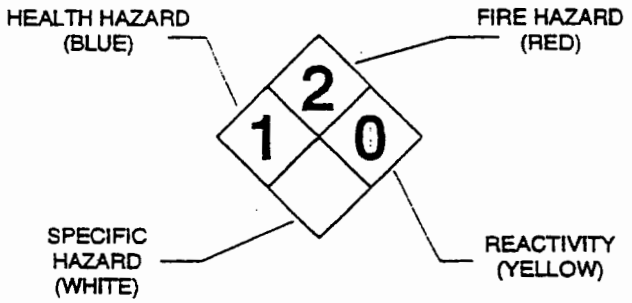
FLAMMABLE LIMITS IN AIR: **LOWER:** 0.5 VOL% (minimum)
UPPER: 9.3 VOL% (maximum)

AUTOIGNITION TEMPERATURE: 440°F (227°C) (minimum)

HAZARDOUS COMBUSTION PRODUCTS: Burning may produce carbon monoxide.

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, water spray, or water fog.

NFPA 704 HAZARD IDENTIFICATION: This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS: Keep storage containers cool with water spray. Positive-pressure, self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing may provide limited protection.

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic. "Empty" containers may retain residue and can be dangerous. Heated containers may rupture. Vapors can travel to ignition source and flash back. Vapor explosion hazard indoors, outdoors, or in sewers. Run-off to sewer may create fire or explosion hazard. Not sensitive to mechanical impact. Material may be sensitive to static discharge, which could result in fire or explosion.

EMERGENCY RESPONSE GUIDE NUMBER: 128
Reference *North American Emergency Response Guidebook*

SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear protective equipment specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain away from surface waters and sewers. Contain as a liquid for possible recovery or sorb with compatible sorbent material and shovel with a clean, non-sparking tool into sealable container for disposal.

Additionally, for large spills: isolate hazard area. Keep unnecessary and unprotected personnel from entering. Dike far ahead of liquid spill for collection and later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep away from heat, sparks, or flame. Where explosive mixtures may be present, equipment safe for such locations should be used. Use clean, non-sparking tools and explosion-proof equipment. When transferring material, metal containers, including trucks and tank cars, should be grounded and bonded. Avoid contact with eyes, skin, clothing, and shoes. Use in well ventilated area. Do not breathe vapor or mist.

SHIPPING AND STORING: Keep container tightly closed when not in use and during transport. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORT INFORMATION** for Packing Group information.

PERSONAL HYGIENE: Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco products. Clean contaminated clothing, shoes, and protective equipment before reuse. Discard contaminated clothing, shoes, or protective equipment if they cannot be thoroughly cleaned.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limit. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limit. Where explosive mixtures may be present, equipment safe for such locations should be used.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Use NIOSH/MSHA-approved respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limit. A self-contained breathing apparatus (SCBA) and full protective equipment are required for large spills or fire emergencies. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4-M1982.

EYE PROTECTION: Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

SKIN PROTECTION: Where skin contact is likely, wear nitrile, Viton®, or equivalent protective gloves; use of butyl rubber, natural rubber, or equivalent

OTHER PROTECTIVE EQUIPMENT:	Where spills and splashes are likely, wear appropriate chemical-resistant boots, apron, or other protective clothing. Clean water should be available in work areas for flushing the eyes and skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, AND ODOR:	Liquid, clear, colorless to pale yellow, mild hydrocarbon odor.
ODOR THRESHOLD:	30 ppm (based on Stoddard Solvent)
SPECIFIC GRAVITY:	0.78 to 0.82 60°F/60°F (15.6°C/15.6°C) (water = 1)
DENSITY:	6.5 to 6.8 lb/US gal (780 to 820 g/l)
VAPOR DENSITY:	5 (air = 1) approximately
VAPOR PRESSURE:	0.2 mm Hg at 68°F (20°C) (approximately) 0.6 mm Hg at 100°F (38°C) (approximately)
BOILING POINT:	350°F (177°C) (initial)
FREEZING/MELTING POINT:	less than -45°F (-43°C)
pH:	Not applicable.
EVAPORATION RATE:	0.1 (butyl acetate = 1)
SOLUBILITY IN WATER:	Insoluble.
MOLECULAR WEIGHT:	160 (approximately)

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal temperatures and pressures. Avoid heat, sparks, or flame.
INCOMPATIBILITY:	Avoid acids, alkalies, oxidizing agents, reducing agents, or reactive halogens.
REACTIVITY:	Polymerization is not known to occur under normal temperatures and pressures. Not reactive with water.
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal temperatures and pressures. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS.**

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: IARC classifies chemicals by their carcinogenic risk, including agents that are known, probable, or possible carcinogens. NTP classifies chemicals as either known carcinogens, or for which there is limited evidence of carcinogenicity in humans or sufficient evidence of carcinogenicity in experimental animals. ACGIH recognizes several categories of carcinogens, including confirmed human carcinogens and suspected human carcinogens.

Based on best current information, there is no known carcinogenicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

REPRODUCTIVE TOXICITY: Based on best current information, there is no known reproductive toxicity associated with these materials.

Also see **SECTION 15: CALIFORNIA.**

TERATOGENICITY: Based on best current information, there is no known teratogenicity associated with these materials.

MUTAGENICITY: Based on best current information, there is no known mutagenicity associated with these materials.

TOXICOLOGICALLY SYNERGISTIC PRODUCT(S): Based on best current information, there are no known toxicologically synergistic products associated with these materials.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: A Static Acute Bioassay as per the California Department of Fish and Game WPCL, was done using fathead minnows, and up to 750 ppm of the products in water.

The material passed the bioassay with only 1 out of 10 minnows dying. To fail the bioassay, more than 40% of the fish would die in 750 ppm.

OCTANOL/WATER PARTITION COEFFICIENT: Not available.

VOLATILE ORGANIC COMPOUNDS: 100 WT%; 6.5 to 6.8 lb/US gal; 780 to 820 g/l. Photochemically reactive as per 40 CFR Part 51.100(s).

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding recycling or proper disposal.

USEPA WASTE CODE(S): Not regulated.
Based on available data, this information applies to the material as supplied to the user. Processing, use, or contamination may make this information inappropriate, inaccurate, or incomplete.

SECTION 14: TRANSPORT INFORMATION

DOT: COMBUSTIBLE LIQUID, N.O.S. (PETROLEUM NAPHTHA), NA1993, PGIII

TDG: Not regulated.

SECTION 15: REGULATORY INFORMATION

USA REGULATIONS

SARA SECTIONS 311 AND 312: Materials pose the following physical and health hazards as defined in 40 CFR Part 370 and are subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

Immediate (Acute) Health Hazard
Delayed (Chronic) Health Hazard
Fire Hazard

SARA SECTION 313: These products do not contain toxic chemicals subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

TSCA: All the components of these products are listed on the TSCA Inventory.

CALIFORNIA: These products may contain a detectable amount of benzene CAS 71-43-2. This material is listed by the State of California as a known carcinogen.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the benzene level is at or below the product specification of 0.4 mg/l.

These products may contain a detectable amount of p-dichlorobenzene CAS 106-46-7. This material is listed by the State of California as a known carcinogen.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the p-dichlorobenzene level is at or below 7.5 mg/l.

These products may contain a detectable amount of toluene CAS 108-88-3. This material is listed by the State of California as known to cause reproductive toxicity.

Our testing of these products indicates that this compound is not always detectable. However, when detected, the toluene level is at or below 500 mg/l.

CANADIAN REGULATIONS

These products have been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS: B3, D2B

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All the components of these products are listed on the Canadian Domestic Substances List.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION: New format.

LABEL/OTHER INFORMATION: These products are Underwriters Laboratories (UL) listed.

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.

We Recycle
WE CARE

ATTACHMENT G

CLOSURE PLAN

CLOSURE PLAN

ABSTRACT

LOCATION ADDRESS: Safety-Kleen Corp. (7-008-01)
2720 Girard NE
Albuquerque, New Mexico 87107

U.S. EPA I.D. NO: NMD 000804294

WASTE UNITS TO UNDERGO CLOSURE:

a. Tank Storage - one 12, 000 gallon underground storage tank.

b. Drum Storage - an area of about 353 square feet with a storage capacity of 2,680 gallons (east) and an area of about 900 square feet with a storage capacity of 4,310 gallons (west).

c. Return and Fill Station - This waste management unit is used to transfer wastes to the used solvent storage tank. It has a containment capacity of approximately 350 gallons but typically operates at 30 gallons per dumpster/drum washer.

d. Flammable Storage Building - The location of this waste management unit is shown in the Site Plan. It has a storage capacity of 9,650 gallons of waste.

The volumes shown above are the maximum amounts that may be stored at this facility at any time.

CLOSURE PLAN

G.1 PURPOSE

The Albuquerque service center operates as a storage facility for hazardous wastes. The hazardous waste management units (HWMUs) must be closed in accordance with the closure requirements of New Mexico HWMR 206.C. Closure of the facility will be carried out in accordance with the steps outlined in this plan. Attachment H contains an estimated cost for the completion of closure. Safety-Kleen will remediate hazardous wastes and residues from the facility to a level protective of human health and the environment. Upon completion of closure activities, the need for further maintenance will be minimized or eliminated. The expected year of closure for this facility is 2020.

The HWMUs, which are subject to closure are described in the Closure Plan Abstract. The units include an underground storage tank system, a return and fill station with drum washers, two container storage areas and a flammable storage building. This closure plan identifies steps necessary to conduct facility closure, or closure of a unit (partial closure) at any point during its intended operation life. When implemented, the closure activities will be conducted under the supervision of a qualified independent engineer, registered in the State of New Mexico.

G.2 UNDERGROUND TANK AND ASSOCIATED PIPING

To safely clean and decommission the underground storage tank, the following activities will be performed, as appropriate:

a. Remove the remaining material from the tank and return the material to the Recycle Center for reclamation.

b. Provide access to the tank.

c. Rinse, scrape, and squeegee the tank interior as practical, removing all residual waste material and rinsate.

d. Disconnect and decontaminate all appurtenant piping and pumping equipment.

e. Excavate and remove tank. Dispose of any impacted soils offsite.

f. Visually inspect the tank for evidence of leakage.

g. Remove tank and appurtenant equipment and reuse or sell as scrap.

h. Backfill tank excavation with clean fill materials.

i. Transport and properly dispose or treat waste material generated during the closure.

G.2.1 Removal of Waste Material and Opening of the Tank

The contents of the tank are generally removed using a pump, vacuum or similar equipment and then shipped by tanker truck to a recycle center or contract reclaimer. To gain access to the underground tanks, use the manway. Depending on the type of opening and the condition of the equipment, a variety of tools may be used to open the manway. Care must be exercised to minimize spark generation when working on the tank.

Prior to entering the tank, personnel should have full face respiratory protection and protective clothing. Once the tanks have been opened, they must be provided with positive ventilation. The tanks will then be inspected to determine the approximate quantity and physical conditions of any remaining waste material.

G.2.2 Removal of Residual Waste and Cleaning of Tank

Before removing any residual waste from the tank, all piping and appurtenant equipment will be flushed with clean solvent followed by a detergent solution and triple rinsed.

The method used to remove the residual waste material from the tank will depend on the physical properties and quantities of that material. Prior to any person entering the tank, an effort will be made to remove as much liquid and sediment as possible (see Section G.2.1).

Subsequent to vacuuming the majority of the material from the tank, it may be necessary to use a high pressure wash system using clean solvent and a detergent solution and triple rinse to wash residual material from the walls, roof, and floor of the tank. The wash water will be managed as hazardous waste and shipped to a recycle center or contract reclaimer. The quantity of wash fluid used will be kept to a minimum in order to limit the amount of waste material.

Storage tanks are considered confined spaces (i.e., spaces open or closed having a limited means of egress in which poisonous gases or flammable vapors might accumulate or an oxygen deficiency might occur), and confined space entry requires special procedures. The contractor entering the confined space will be required to adhere to applicable regulations (29 CFR 1910.146).

G.2.3 Removal of the Tank

Following removal of residual wastes and decontamination activities, the tank system will be excavated and removed. To safely remove the tank:

a. Disconnect appurtenant piping.

b. Disconnect appurtenant pumping equipment.

c. The tanks and piping shall be removed, cut up and transported to a scrap metal facility for recycling. The tank and piping will be recycled in accordance with 40 CFR 261.1(c)(6) and (7). Verification of destruction will be provided by the contractor or scrap metal facility.

d. Two soil samples will be collected from the bottom of the tank excavation. Soil samples will be analyzed for waste constituents representative of the waste codes for the tank system (i.e., D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D023, D024, D025, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D041, D042, and D043). If constituents are present above appropriate risk-based standards or screening levels, a workplan must be developed to determine the extent of contamination and proper remedial action.

e. Backfill the excavation with clean fill materials and grade to ground level.

G.3 DRUM STORAGE AREAS IN WAREHOUSE

The drum storage areas are used for the storage of drums of used immersion cleaner, dry cleaning waste, aqueous solvent, and other non-regulated wastes and/or products. At closure, the drums will be removed and transported to a reclaimer after proper packaging, labeling and manifesting. The contents of the drums will be reclaimed and the drums will be cleaned for reuse.

The concrete floors and spill containment trenches will be cleaned with a high pressure spray and detergent solution and triple rinsed. A sample of the final rinsate will be analyzed for volatile organic compounds to determine the effectiveness of the cleaning. If any volatile organic compounds are present above background levels or others appropriate levels, such as maximum contaminant levels (MCLs) for drinking water, the washing and rinsing will be repeated.

Following decontamination, the concrete floor, curbing, and containment trenches will be inspected by an independent registered Professional Engineer (or designate). If any lapses of integrity are found (i.e., through-going or unsealed cracks), soil samples must be collected from beneath the cracks and analyzed for volatile organic compounds. If constituents are present above appropriate risk-based standards or screening levels, a workplan must be developed to determine the extent of contamination and proper remedial action.

G.4 SOLVENT RETURN AND FILL STATION

The return and fill station is used to collect and return the used solvents to the waste storage tank. At closure, the sediment in the dumpsters/drum washer will be removed and drummed, labeled, manifested and then shipped to a Safety-Kleen recycle center or contract reclaimer.

The dumpster/drum washers and the dock area will be thoroughly washed with a detergent solution and high pressure spray, then triple rinsed. The rinsate may be discharged through the appurtenant piping system into the storage tank, which will be subjected to a separate closure procedure as described earlier. Alternately, the wash/rinse water may be collected in a vac truck or similar and placed in containers.

If components of the return/fill station will be re-used, (e.g., drum washers) a sample of the final rinsate will be collected from each of the units intended to be re-used. The rinsate sample will be analyzed for volatile organic compounds. If constituents are detected at levels above background (tap water) or other appropriate levels for comparison (e.g., MCLs for drinking water), the respective units will be re-cleaned. Should the components of the return/fill station be managed as scrap metal, rinsate samples will not be collected/analyzed. A certificate of destruction will be provided by the contractor or scrap metal facility.

Following decontamination and removal of the return/fill station, the underlying concrete slab will be inspected by the registered engineer (or designate) for potential lapses of integrity. If lapses of integrity are found during the inspection (i.e., through-going or unsealed cracks) that may have allowed potential migration of wastes outside the containment area, soil samples will be collected from immediately beneath the cracked areas and analyzed for constituents representative of the waste codes in Section G.2.3.d. If any constituents are detected at levels above appropriate risk-based standards or screening levels, a workplan will be prepared to determine the extent of impacts and possible remedial actions.

G.5 FLAMMABLE STORAGE BUILDING

The flammable storage building is used to temporarily store containers of paint waste, dumpster sediment, used solvent, other flammable materials and/or products. At closure, residual waste will be removed from the building and shipped to a Safety-Kleen recycle center or contract reclaimer. The concrete floor, curbing, and containment trenches will be thoroughly cleaned with a detergent solution and high pressure spray, then triple rinsed. The rinsate will be collected and managed as a hazardous waste. The final rinsate will be sampled, and the containment areas inspected/sampled as described in sections G.3 and G.4 above.

G.6 FACILITY CLOSURE SCHEDULE AND CERTIFICATION

Within 90 days of receiving the known last volume and hazardous wastes, Safety-Kleen will remove all hazardous wastes from the site in accordance with the approved closure plan. The New Mexico Health and Environment Deptartment may approve a longer period if Safety-Kleen demonstrates that the activities required to comply with this paragraph will, if necessity, take longer than 90 days to complete or the following requirements are met:

a. The facility has the capacity to receive additional wastes;

b. There is a likelihood that a person other than Safety-Kleen will recommence operation of the site; and/or

c. closure of the facility is incompatible with continued operation for the site. In this case, Safety-Kleen will take all steps necessary to prevent threats to human health and the environment.

Safety-Kleen will complete closure activities in accordance with the approved closure plan and within 180 days after receiving the final volume of wastes. When closure is completed, Safety-Kleen shall submit to the New Mexico Health and Environment Department certification, both by the operator and by an independent registered professional engineer, that the facility has been closed in accordance with the approved closure plan.

ATTACHMENT H

FINANCIAL LIABILITY DOCUMENTS

FINANCIAL ASSURANCE INFORMATION AND ESTIMATED CLOSURE COSTS

safety-kleen.

January 25, 2001

UPS TRACKING # 1Z 226 967 22 1009 115 7

Mr. Stuart Dinwiddie
New Mexico Environmental Department
Hazardous and Radioactive Waste Bureau
1190 St. Francis Drive
Santa Fe, New Mexico 87503

RE: Financial Assurance
Safety-Kleen Systems, Inc.
New Mexico

Dear Mr. Dinwiddie:

Please find enclosed an original Certificate of Insurance under Policy No. PEC0007099 issued by Indian Harbor Insurance Company. This Certificate has been amended to reflect the annual inflation increase of the closure and/or post closure care cost by using the 1999 annual implicit price deflator of 1.01 as published by the U.S. Department of Commerce (see attached cost estimates). All other terms and conditions of the Certificate remain unchanged.

If you have any questions regarding the above information, please give me a call at (803)933-6436.

Sincerely,

Debbie Sease

Debbie Sease
Corporate Compliance Administrator

/ds

Enclosure

cc: Dan Czecholinski - Chandler, Arizona

SAFETY-KLEEN CORP.
1301 GERVAIS STREET, SUITE 300 COLUMBIA, SC 29201 803/933-4200

CERTIFICATE OF INSURANCE FOR CLOSURE OR POST-CLOSURE CARE

Name and Address of Insurer (herein called the "Insurer"):

Indian Harbor Insurance Company
Seaview House, 70 Seaview Avenue
Stamford, CT 06902-6040

Name and Address of Insured (herein called the "Insured"):

Safety-Kleen Systems, Inc.
1301 Gervais Street, Suite 300
Columbia, South Carolina 29201

Facilities covered:

			Closure:
Albuquerque 7-008-01	2720 Girard NE Albuquerque, NM 87107	NMD000804294	$76,032
Farmington 7-008-21	4210A Hawkins Road Farmington, NM 87401	NMD980698849	$54,434
TOTAL:			$130,466

Face Amount: $130,466
Policy Number: PEC0006594
Effective Date: January 25, 2001

The Insurer hereby certifies that it has issued to the Insured the policy of insurance identified above to provide financial assurance for closure for the facilities identified above. The Insurer further warrants that such policy conforms in all respects with the requirements of 40 CFR 264.143(e), 264.145(e), 265.143(d) and 265.145(d), as applicable and as such regulations were constituted on the date shown immediately below. It is agreed that any provision of the policy inconsistent with such regulations is hereby amended to eliminate such inconsistency.

Whenever requested by the Secretary of the New Mexico Environmental Department, the Insurer agrees to furnish to the New Mexico Environmental Department a duplicate original of the policy listed above, including all endorsements thereon.

I hereby certify that the wording of this certificate is identical to the wording specified in 40 CFR 264.151(e) as such regulations were constituted on the date shown immediately below.

(Authorized signature for Insurer)

Scott Britt
(Name of person signing)

Vice President
(Title of person signing)

Tricia Edwards
(Signature of witness or notary)

January 10, 2001
(Date)

SEAL

Notarial Seal
Tricia L. Edwards, Notary Public
Uwchlan Twp., Chester County
My Commission Expires June 21, 2004

Member, Pennsylvania Association of Notaries

ALBUQUERQUE, NEW MEXICO FACILITY
CLOSURE COST ESTIMATE

1. Tank Closure - Open, remove contents of, clean, remove, and dispose of a 12,000-gallon underground storage tank.

Phase I - Remove Contents and Clean

1. Ship contents to a reclaimer.

Crew:		
2 Truck Dr.	$17.56 hrs x 8 hrs.=	$ 281.28
2 Trucks	$500 lump sum	500.00
Tank size = 12,000 gal. - 7,500 gal/truck = 2 trucks		
	2 Trucks x 300 miles x 1.75/mile =	1,050.00
Reclamation costs ($0.30/gal)		3,600.00

2. Squeegie Clean Tank

Crew:		
1 Foreman	$18.30/hr. x 24 hrs. =	439.20
1 Laborer	($17.00/hr. & $3.00/hr. hazard pay) x 24 hours =	480.00

3. Use of high pressure water for two days — 800.00

4. Disposal and transportation of wash water (1,200 gallons @ $0.70/gallon) = — 840.00

5. Transportation of wastewater 300 miles x $1.75/mile = — 525.00

6. Test final rinsate (2 samples) — 2,000.00

Total - Phase I — $10,515.00

Phase II - Remove and Dispose of Tank

1. Disconnect and Remove Appurtenant Equipment

Crew:		
1 Foreman	$18.30/hr. x 8 hrs. =	$ 146.40
2 Laborers	$17.00/hr. x 8 hrs. =	272.00

2. Torch Tank

Crew		
1 Foreman	$18.30/hr. x 8 hrs. =	146.40
1 Laborer	$17.00/hr. x 8 hrs. =	136.00

3. Remove Tank

Crew:		
1 Foreman	$18.30/hr. x 2 hrs. =	36.00
4 Laborers	$16.80/hr. x 2 hrs. =	134.40
1 Backhoe	$28.97/hr. x 2 hrs. =	57.94
Equipment	$200 Lump Sum =	200.00
	Total Phase II	$1,130.00

Phase III - Concrete Demolition

1.	Demolition of concrete pad	$ 750.00
2.	Removal and disposal of concrete 200 cyd at $4.50/cyd	900.00
		$1,650.00

Phase IV - Backfilling, Regrading, Soil Testing

1.	Test for soil contamination 4 samples	$4,000.00

2. Regrading

Crew:		
1 F.E. Loader	$27.38/hr. x 1 hr. =	27.38
Equipment	$200.00 lump sum =	200.00
Backfill	10 c.y. x $2.00 c.y =	20.00
	Total - Phase IV =	$1,247.00

Summary of Closure Cost for 12,000-gallon tank:

Phase I =	$10,515.00
Phase II =	1,130.00
Phase III =	1,650.00
Phase IV =	4,247.00
	$17,542.00

2. CLOSURE OF DRUM STORAGE AREA - Remove and return drums to a reclaimer, clean the drum storage areas, and dispose of wash water generated.

a.	2 Truck Dr.	$17.56/hrs x 8 hrs.=	$ 280.96
	2 Trucks	$500 lump sum	500.00
	Hauling cost = 2 loads x 300 miles x $1.75/mile =		1,050.00
b.	Clean drum storage area		
	Crew:		
	1 Foreman	$18.30/hr. x 10 hrs. =	183.00
	1 Laborer	($17.00/hr. & $3.00/hr. hazard pay) x 20 hours =	200.00
c.	Dispose of wash water	(700 gallons @ $0.12/gallon) =	84.00
d.	Dispose of used solvents	378 16-gallon drums x $30/drum =	11,340.00
e.	Testing rinsate for contamination	2 samples x $1,000.00 each	2,000.00
			$15,638.00

3. CLOSURE OF RETURN AND FILL STATION - Remove, package and dispose of sediment, clean the dumpster and dock area, remove dumpster and dock structure for reuse or scrap.

a.	1 Truck @	$250.00 lump sum each	$ 250.00
	Hauling Cost = 300 miles x $1.75/mile		525.00
	1 Truck Dr.	$17.56/hr. x 8 hrs.	140.48
	Crew:		
	1 Foreman	$18.30/hr x 8 hrs.=	146.40
	1 Laborer	($17.00/hr. & $3.00/hr. hazard pay) x 8 hrs. =	160.00
b.	Clean Dumpster and Dock Areas		
	Crew:		
	1 Foreman	$18.30/hr. x 8 hrs. =	146.40
	1 Laborer	($17.00/hr. & $3.00/hr. hazard pay) x 8 hours =	160.00
	Use of high pressure water for one day =		400.00

c. Disposal of wash water
(200 gallons @ $0.70/gallon) = 140.00

d. Dispose of dumpster mud
15 55-gallon drums x $300/drum = 4,500.00

e. Test rinsate for contamination
2 samples x $1,000.00 each 2,000.00

f. Disassemble, and remove dumpsters and docks

Crew:		
1 Foreman	$18.30/hr. x 8 hrs. =	146.40
2 Laborer	$17.00/hr. x 8 hours =	272.00
Equipment	$5.20hr. x 8 hrs. =	41.60
	Total Dock Closure Cost =	$9,028.00

4. CLOSURE OF MASONRY SHELTER - Remove paint waste, clean shelter [June 29, 1992]

a. Clean masonry shelter

Crew:		
1 Foreman	$18.30/hr. x 20 hrs. =	366.00
1 Laborer	$17.00/hr. x 3.00/hr hazard pay x 20/hr =	400.00
Use of high pressure water for one day		400.000

b. Dispose of wash water
500 gallons x 0.12/gallon 60.00

c. Dispose of paint waste
9,650 gallons x $2.00 19,300

d. Testing for contamination
4 samples x $75.00 each 450.00

Total Masonry Shelter Closure Cost = $20,976.00

5. PE CERTIFICATION $1,000.00

6. TOTAL CLOSURE COST:

12,000-gallon tank =		$17,542.00
Drum storage area =		15,638.00
Return and fill station [NOTE: deleted reference to paint waste shelter; June 29, 1992] =		9,028.00
Masonry Shelter =	[June 29, 1992]	$20,976.00
P.E. certification =		1,000.00
Total	[June 29, 1992]	$64,184.00

ATTACHMENT I

POLLUTION PREVENTION (WASTE MINIMIZATION) PLAN

Safety-Kleen Corp.

Waste Minimization Program

March, 1996

ALBUQUERQUE, NEW MEXICO SERVICE CENTER

EPA ID # N.M.D. 000804294

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Section 1.0
Introduction

Safety-Kleen's business is to facilitate the wise use and reuse of resources by providing quality recycling services. As part of Safety-Kleen's commitment to its customers and the environment, Safety-Kleen has established a Waste Minimization Program.

The goals of the program are:

* To educate Safety-Kleen personnel about waste minimization opportunities.

* To facilitate education of Safety-Kleen facility management about ways they can minimize waste generation.

Safety-Kleen has developed this program with U.S. Environmental Protection Agency guidance. It is designed to:

* Help Safety-Kleen personnel identify mechanisms to minimize waste.

* Provide Safety-Kleen management with information regarding the Company's responsibility to minimize waste.

1.1 A Phased Approach to a Waste Minimization Program

The following summarizes Safety-Kleen's phased approach to a Waste Minimization Program.

1. Educate employees about waste minimization (what it is and how to achieve it).

2. Train personnel to identify opportunities for waste minimization as it relates to Safety-Kleen facility operations.

3. Train personnel by communicating waste minimization alternatives as it relates to daily facility operations.

4. Provide written waste minimization information to management.

This document addresses the four phases of the Safety-Kleen program.

Section 2.0
What is Waste Minimization?

Waste minimization is specifically required by the U.S. Congress in the 1984 Hazardous and Solid Waste Amendments to the Resource and Conservation and Recovery Act (RCRA). Waste minimization consists of source reduction and recycling. More specifically, waste minimization is the reduction of the generation and disposal of hazardous waste. It includes source reduction and recycling that results in either:

* The reduction of the total volume or quantity of hazardous waste, or
* The reduction of the toxicity of hazardous waste.

Waste minimization results in the minimization of threats to human health and the environment. Figure 2-1 on page 2-4 depicts waste minimization techniques.

2.1 Volume (Source) Reduction

Volume or source reduction is any activity that reduces or eliminates the generation of hazardous waste at the source. Controlling the sources of waste generation reduces the volume of hazardous waste that is produced.

Safety-Kleen personnel consider using the following volume reduction activities:

Substituting Materials - Using materials which do not create a waste, or which can be beneficially reused, recycled, or reclaimed.

Examples of Safety-Kleen's source reduction techniques are:

* Using dirty solvent instead of clean for drum washing.
* Using corn cob absorbent instead of clay, since it can be fuel blended.
* Using metal filters on machines, instead of the disposable cloth filters.

Technology - Changing processes, equipment, and operations to reduce the amount of waste generated.

An example of a technology change at Safety-Kleen is to reduce the amount of waste generated by no longer using liner bags to keep the inside of parts washer drums clean. This eliminates the additional liner bag waste material.

Operating Practices - Segregating waste streams, changing material handling procedures, and changing management practices.

Examples of Safety-Kleen's operating practices that result in waste reduction are:

* Reducing the amount of spills that occur by more careful material handling.
* Reducing the amount of waste generated from the cleanup of a spill by paving areas where releases are more likely to occur.
* Segregating recyclable materials from trash.
* Segregating contaminated burnable materials (labels, gloves, etc) and non-burnable materials (metal pieces, glass, rocks, etc.) to reduce the amount of land filled waste.
* Keeping containment areas clean so that any accumulated rainwater does not become contaminated.

See Section 3.0., Achieving Waste Minimization, for more information about volume reduction techniques.

2.2 Toxicity Reduction

Toxicity reduction results in reduced volume and types of waste generated. In some instances, Safety-Kleen has changed a process to limit or exclude contamination of waste with toxic components. More often, wastes are treated, either on or off-site, to remove toxic contaminants.

Safety-Kleen provides many services which remove hazardous and toxic components from a waste to return the cleaned material to beneficial use. For example, Safety-Kleen removes oil and water, in addition to hazardous waste constituents of lead and perchloroethylene, from used ethylene glycol. The reclaimed ethylene glycol is then marketed to ethylene glycol buyers.

2.3 Recycling

Recycling includes using, reusing, or reclaiming a material. Recycling occurs either on the site of generation or at a separate, off-site facility. Additional details on recycling are provided in Section 3.0, Achieving Waste Minimization.

2.4 Elements of a Waste Minimization Program

As discussed earlier, RCRA requires generators to establish waste minimization at their facilities. To do this cost-effectively, Safety-Kleen's waste minimization program has the following elements:

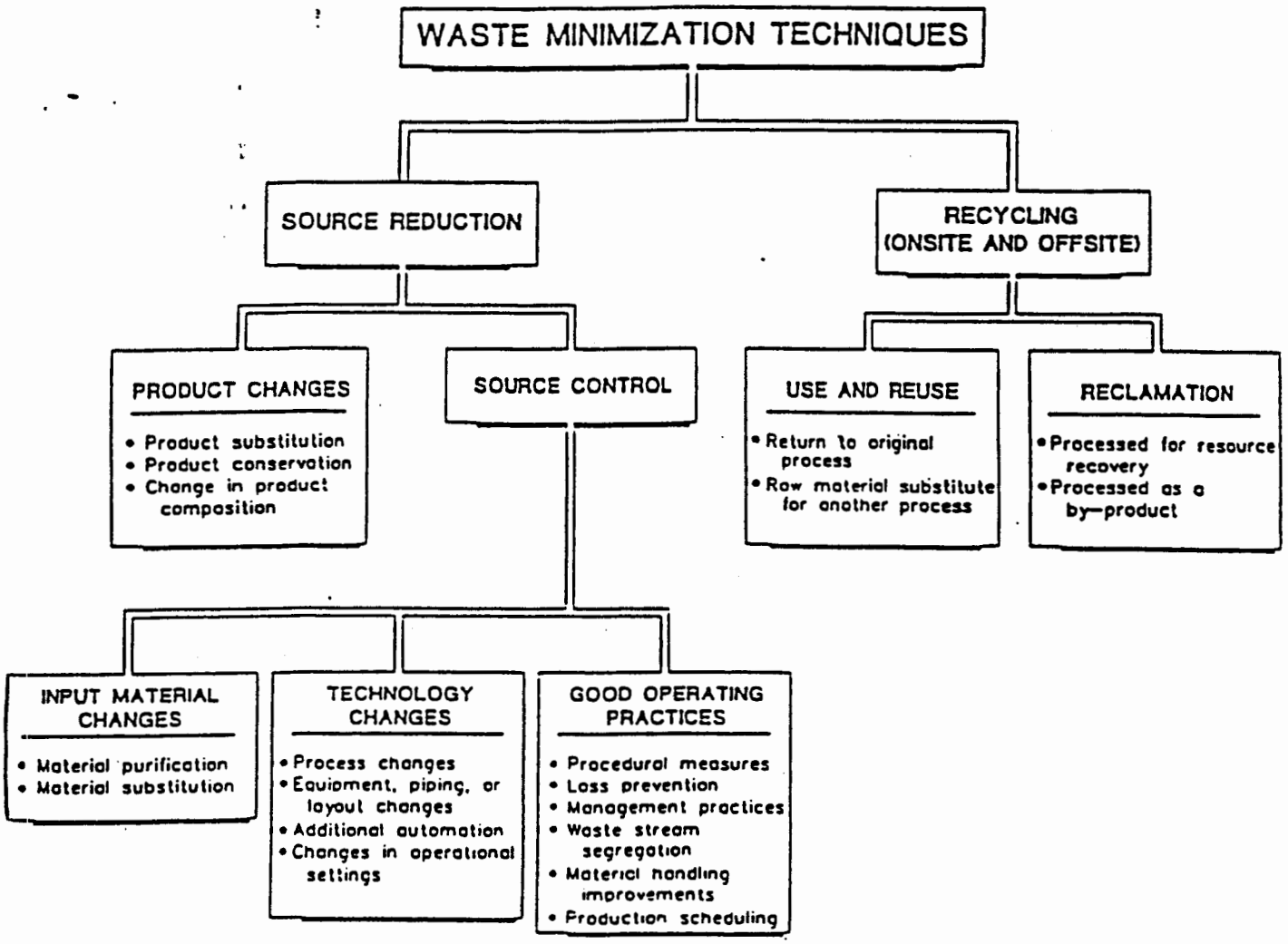
* Management Commitment - The facility personnel understand why waste minimization is important. Management supports and rewards employees for developing and implementing waste minimization.

* Waste minimization assessment - The facility personnel evaluate ways to reduce and eliminate waste. This assessment analyzes what materials are used, what materials can be substituted, how mixing of waste can be avoided, and whether alternate technologies are available for reducing waste.

  For example, Safety-Kleen encourages mixing only when it facilitates the beneficial reclamation and reuse of BOTH waste streams. An example is the mixing of hazardous and non-hazardous waste solvent. Since it is not economically feasible to ship these streams to the reclamation facility without mixing, Safety-Kleen has decided that mixing these streams facilitates increased reclamation of these wastes.

  However, mixing of solvents and other wastes with waste oil decreases the feasibility of reclaiming the used oil for any purpose other than fuels blending (this can occur when both are shipped by the same carrier). Therefore, mixing with waste oil is strongly discouraged.

FIGURE 2-1
WASTE MINIMIZATION TECHNIQUES



NOTE: Figure prepared by ERM South for Safety-Kleen

Section 3.0
Achieving Waste Minimization

Safety-Kleen achieves waste minimization in several ways. The following briefly discusses options that Safety-Kleen practices at its facilities.

3.1 Source Reduction through Good Operating Practices

Safety-Kleen operating practices facilitate reduction of waste at the source as follows:

Waste Segregation - Encouraging employees to use specific waste receptacles.

Examples of waste segregation techniques practiced at Safety-Kleen are:

* Paper waste is divided into recyclable waste and non-recyclable waste.
* Used petroleum products are not mixed with other solvent waste.
* Water-based waste, such as aqueous solvent, is segregated from other solvents.

This minimizes the quantities of wastes that require special handling when generated.

Material Handling and Inventory Practices - Safety-Kleen management ensures that hazardous materials are properly stored to avoid spillage or damage and the resulting cleanup of waste material. Proper inventory management ensures that materials are not discarded due to age. Similarly, hazardous materials are ordered in quantities sufficient for operation. Larger quantities are not stored that could result in improper storage, exceeding of shelf-life, and spills or accidents involving crowded storage areas.

Loss Prevention - Materials can become wastes when equipment leaks or spills occur. In addition, using too much of a material results in waste generation (for example, using too much solvent creates more waste). Safety-Kleen management reminds employees to properly maintain equipment and to avoid mishaps such as spills of solvents.

Cost Accounting Procedures - For Safety-Kleen facilities, cost-accounting of waste disposal costs encourages significant waste minimization. When specific departments are held accountable for their own waste disposal cost, they are more waste conscientious. Management periodically reviews each facility's performance in waste generation and management.

Production Schedules - The product Distribution Centers schedule their trips to service centers to reduce the need for frequent equipment cleaning, which could result in waste generation.

3.2 Source Reduction through Process Modifications

Safety-Kleen management considers the following options to reduce waste using process modifications:

* Changes in production methods
* Changes in equipment
* Changes in operating conditions, such as flow rates, temperature, pressure, residence time

3.3 Source Reduction through Product Changes

Safety-Kleen considers opportunities to minimize waste by changing products. Changes include:

* Substituting products - Safety-Kleen now supplies a less toxic non-halogenated Immersion Cleaner (699) in place of much of its old formula to its customers.
* Conserving products
* Changing the composition of the product

3.4 Waste Minimization through Material Recycling and Recovery

Recycling: Use or Reuse

Recycling may be achieved through use or reuse of a waste material. Essentially the waste material is returned to a process to replace a certain amount of new material. The process may be the same process from which the waste came, or an entirely new process.

Examples of Safety-Kleen's recycling practices include:

* Reusing paint wastes in a painting process that does not require a specific color
* Using sludge as fuel

Recovery: Reclamation

Reclamation involves recovering a valuable material from hazardous wastes and nonhazardous wastes. Generally, a reclaimed material is not used at the same facility where it was generated.

Examples of Safety-Kleen's reclamation practices are:

* Reclaiming fuel oil from waste oil
* Recovering silver from film processing wastewater, and waste water equipment

Safety-Kleen Recycling and Recovery Services

Safety-Kleen provides many services to its customers that can help them meet waste minimization responsibilities through recycling and recovery.

Examples of Safety-Kleen's services are:

* Safety-Kleen collects spent antifreeze, waste oil, and organic solvents and distills these to remove solids and contaminants. The waste material then becomes reusable for Safety-Kleen customers.
* Safety-Kleen also fuel blends cleanup materials from hazardous waste spills and organic-based absorbent material and sludge from storage tank maintenance. Fuel

blenders who operate permitted facilities mix these wastes with fuel for energy generation.

Section 4.0
Identifying Waste Minimization Opportunities

Safety-Kleen management is encouraged to evaluate the following opportunities to establish a successful waste minimization program.

4.1 Understanding the Facility Processes

Safety-Kleen management assesses where hazardous waste is generated at a facility, what kinds of wastes are generated, and analyzes the processes associated with products or services. Management then determines which kinds of waste minimization techniques are feasible.

4.2 Knowing the Materials Used

Knowing what is used in a facility process is important in determining waste minimization options. Management considers whether:

* A substitute to the material can be used.

* The material quantity can be reduced.

* Wastes can be introduced back into the process to reduce the amount of new materials used.

4.3 Training Employees and Education

Once management establishes a plan for waste minimization, employees must be trained in implementing it.

Training includes:

* Explaining that waste minimization is important because it:

  - Protects the health of workers
  - Protects the environment
  - Meets regulatory requirements
  - Saves the Company money

* Explaining the requirements of the work plan:

  - Who is responsible for the different parts of the plan
  - How facility processes will change
  - How the program will be monitored

* Emphasizing management commitment to waste minimization

  - Checking with staff on the progress of the waste minimization program
  - Rewarding employees for waste minimization

Section 5.0

Understanding the Costs/Benefits of Waste Minimization

Safety-Kleen managers understand that waste minimization is required and that there are costs associated with waste minimization. However, there are also very significant benefits.

5.1 Cost to Facilities

The facility personnel who implement waste minimization evaluate their business and the alternatives available to them. The time spent performing this evaluation has a cost. In addition, if the facility substitutes materials or uses additional recycling services, there may be some cost associated with this.

5.2 Benefits of Waste Minimization

Waste minimization has many benefits. Safety-Kleen management emphasizes these benefits, as discussed below.

Economic Benefits

* Disposal Cost Reduction - The costs of land filling and incinerating hazardous waste is increasing. Disposal options will become more costly and limited over time.

* Costly Alternative Treatments - Certain waste streams will become more and more difficult to treat as disposal options become limited. Alternate technology to treat waste is expensive.

* Savings in Materials Cost - When a facility practices waste minimization, it uses fewer materials. This reduces the cost of operating the business.

Regulatory Benefits

* Specific Requirements - All generators of hazardous waste are required to minimize the waste they generate. Generators must demonstrate waste minimization when they sign a waste manifest, when they submit a biennial report under RCRA, or when applying for facility permits.

* Land Ban - Since some waste is banned from land disposal, waste minimization avoids this regulatory limitation.

Liability Benefits

* Generator Liability - RCRA established cradle-to-grave liability. Therefore, Safety-Kleen is responsible for managing wastes stored on-site at facilities, in transit, and when disposed of. Waste needs to be disposed of properly to avoid becoming a potentially responsible party for the cleanup of the contamination. Safety-Kleen must encourage employees to avoid liability by minimizing waste generation.

* Potential Worker Safety - The U.S. Environmental Protection Agency and the Occupational Safety and Health Administration evaluate whether facilities are properly protecting their employees from hazardous materials and wastes found in the workplace. Safety-Kleen management minimizes potential employee exposure to hazardous waste by encouraging waste minimization.

* Public Image Benefits - Safety-Kleen's ability to operate responsibly helps the Company obtain its customers' confidence. This is especially important when Safety-Kleen demonstrates to community members that its business is a safe and productive addition to the community.

Section 6.0
Characterization of Waste Generation

Safety-Kleen is including a Characterization of Waste Generation in the Waste Minimization Program.

6.1 Waste Generation Sources

This characterization is intended to identify the types, amounts, and hazardous constituents of waste streams, with the source and date of generation.

- The majority of the waste that is manifested from the service center (for which Safety-Kleen is indicated as the generator) is not actually generated by the Safety-Kleen service center. The majority of waste is generated by Safety-Kleen customers and is remanifested by Safety-Kleen to a processing facility. Also, much of the waste that is actually generated at the branch, such as residual sludge from the solvent bulking operations and spill residue, is mostly waste that was originally generated by Safety-Kleen customers.

- Waste reduction is an important part of Safety-Kleen's business. The heart of Safety-Kleen's business is waste reduction through recycling and reuse of wastes. The majority of the waste that Safety-Kleen handles is the primary feedstock for Safety-Kleen products. Waste that cannot be recycled but has a high BTU value is used as a supplemental energy source at one of three fuel blending facilities for cement kilns.

For these reasons, the requirements and intent of the Characterization of Waste Generation Report is not directly applicable to a Safety-Kleen Service Center. However, the following information is provided by Safety-Kleen to meet the requirements and the intent of the Characterization of Waste Generation Report.

6.2 Description of Waste Generating Activity

The Safety-Kleen Albuquerque, New Mexico Service Center is a permitted hazardous waste storage facility, and is also a large quantity generator. However, the Albuquerque, New Mexico Service Center does not actually generate the majority of the hazardous waste it manifests. The following is a brief description of Safety-Kleen operations:

* **Parts Washer Service**--This service involves leasing, to automotive and industrial customers, a small parts cleaner machine. A parts cleaner machine consists of a DOT approved container of solvent, a sink and a circulating pump. The solvent is circulated every time the parts cleaner unit is used. Periodically, the container of spent solvent is replaced with a container of clean, recycled solvent. The spent solvent is returned to the service center and transferred into a bulk tank for storage. On a regular basis, the spent solvent is transported via tanker truck to a Safety-Kleen recycle center. The spent solvent is processed into clean recycled solvent and returned to the service center in bulk tankers for return to our parts washer service customer.

* **Immersion Cleaner Service**--A second line of business is the Immersion Cleaner (IC) machine. Similar to the parts cleaner machine, it consists of a DOT approved container with IC and an agitating basket for difficult to clean parts. Periodically, the container of spent IC is replaced with clean IC. The spent IC is taken to the service center where it is stored with compatible wastes and transported in its original container to a recycle center.

* **Dry Cleaning Service**--A third line of business is the dry cleaner service. Through this service, sales representatives pick up dry cleaning wastes,(filters, still bottoms, separator water) contaminated with dry cleaning solvents (usually perchloroethylene) in DOT approved containers. The waste is taken back to the service center where it is stored with compatible wastes and transported in its original container to a processing facility.

* **Paint Waste Service**--A fourth line of business is the paint waste collection service. Through this service, Safety-Kleen provides its customers with a paint gun cleaner for auto body shops, etc. This machine features a reservoir of lacquer thinner for cleaning paint guns. Periodically, the spent solvent is replaced with clean product. The containers are brought back to the service center where they are stored with compatible wastes and transported in their original containers to a recycle facility for processing. Residual paint waste is also brought back to the service center to be sent for recycling.

* **Waste Oil and Waste Antifreeze Service**--Another line of business is Safety-Kleen Oil Services. This service picks up used oil and spent antifreeze from oil change shops, repair garages or industrial customers. These wastes are picked up in a tanker truck or in containers, and returned to the service center. At the service center, they are transferred into storage tanks or placed in a storage area. The antifreeze is transported to an appropriate processing facility where it is recycled or reused. The used oil is transported to the Safety-Kleen re-refinery.

In each of these services, the waste is manifested from the customer to the service center. It is stored at the service center until sufficient quantities are accumulated. It is then manifested from the service center, with Safety-Kleen as the generator, to an appropriate processing facility.

6.3 Amount of Generated Wastes

A Safety-Kleen Service Center does generate some waste during its daily operations. The wastes generated at the facility include dumpster sludge, contaminated gloves, rags, etc from daily operations and spill residue. The following lists the total quantity of waste manifested from the service center in 1994.

1993
Annual Amount and Types of Wastes Generated

Total "Generated":

* Parts Washer Solvent	904,546 pounds
* Solvent(Dry Cleaning)	1,640 pounds
* New Immersion Cleaner(699)	27,199 pounds
* Old Immersion Cleaner(609)	90 pounds
* Lacquer Thinner/Paint Waste	84,245 pounds
* Dry Cleaning	
- Perchloroethylene	64,780 pounds
* - Freon	945 pounds
* Used Oil	(not terminated at this facility)

Wastes Generated at the Service Center:

* Solvent Sludge 54,747 pounds

Source of Generation of Hazardous Wastes:

Of the wastes listed above, the solvent sludge and contaminated debris are the only waste actually generated at the service center. This waste can be attributed to the following sources:

* **Dumpster sediment** is generated through the daily use of the return-and-fill station. Sediment accumulates in the dumpster from residue and debris which has collected in the containers of waste solvent received from our parts washer service customers. As the containers are emptied into the dumpster, a strainer catches the large objects and debris. In addition, any material that spills or drips into the secondary containment of the return-and-fill station is also cleaned up using sorbent materials. This waste is placed into containers and transported as a hazardous waste to an appropriate processing facility.

* **Contaminated Rags, Gloves, etc.** are generated through the daily handling of various wastes mainly during the return-and-fill operations. Any objects contaminated by waste mineral spirits are containerized and handled as a hazardous waste.

* **Spill residue** is generated when a spill occurs on a truck, at a customer's place of business or at the service center. The waste is cleaned using sorbent material. It is containerized and transported as a hazardous waste to an appropriate processing facility.

6.4 Analysis of Technically and Economically Feasible Hazardous Waste Reduction Techniques for the Facility:

* Monitor return-and-fill operational procedures to ensure that spills and drips are minimized; thereby reducing the volume of spill cleanup wastes.

* Reduce any excessive use of rags and gloves by the facility employees.

* Encourage safe material handling and reduced incidents of spills.

Section 7.0

Programs to Assist Generators in Waste Minimization

Safety-Kleen strives to be the leader in providing services which are user safe and environmentally friendly in the workplace. Safety-Kleen continues to work on new technologies designed to assist generators in meeting the waste minimization goals of U.S. EPA and the State of New Mexico.

7.1 150 Premium Solvent Parts Washing Service(1993)

The purpose of the new 150 Premium Solvent program, which utilizes a high flash point (148 degree F) parts washer solvent, is to provide a Waste Minimization Program alternative to parts cleaning customers who currently utilize hazardous materials to accomplish this task.

The following procedure describes how Safety-Kleen dispenses the Premium Solvent to its customers, manages the waste within the Safety-Kleen operation and ultimately recycles this new material via company-owned and operated recycling facilities.

* The Premium Solvent is dispensed at the Service Center into clean DOT approved containers and delivered to customers who have been previously screened and carefully selected to participate in the Premium Solvent Program.

* Customers are trained by Safety-Kleen representatives in proper use of the material to insure the resulting waste remains non-hazardous. All Premium Solvent service customers also view a Safety-Kleen video tape which illustrates how the customers must properly use the material and segregate the Premium Solvent from potential sources of contamination which could cause the waste to become hazardous.

* Each Premium Solvent customer is required to sign a certification attesting to the fact that their solvent waste remains non-hazardous upon their use of the material.

* The resulting non-hazardous waste is picked up by Safety-Kleen sales and service representatives and transported to a Safety-Kleen Service Center in the same container.

* Premium Solvent waste drums are processed in the same manner as the 105 degree F hazardous parts washer solvent waste via a bulk waste tank. The bulk storage tank remains permitted as a hazardous waste management unit with bulk hazardous waste shipments of parts washer solvent manifested to Safety-Kleen Recycle Centers for redistillation. The solvent is returned to branches as recycled 105 degree F parts washer solvent.

As a precaution, Safety-Kleen conducts laboratory analysis on several representative samples of customer waste in order to document compliance with each facility's waste analysis plan.

7.2 Cyclonic Parts Washer Service(1993)

The Safety-Kleen Cyclonic Parts Washer Service provides a high flash point solvent in a Cyclonic filtration parts washing machine. The intent of the program is to provide generators with an option for reducing the amount of waste parts washer solvent removed from their premises.

The Cyclonic filter represents a leading-edge technology which is designed to remove contaminants from parts washer solvent (through patented technology) as the parts washer unit is being used. The contaminants are captured in a small interior detention basin which is periodically serviced by a Safety-Kleen service representative. The residue from the basin is placed in a container inside the parts washing unit until a sufficient quantity is accumulated to justify removal from the generation site. The residue is brought back to the service center with the solvent and then transported to a Safety-Kleen recycle center for processing.

The Cyclonic Parts Washer removes the solids from the solvent which lengthens the servicing cycle for up to one year.

Section 8.0
Identifying Other Informational Sources

Safety-Kleen management informs employees about other sources of waste management information.

8.1 Federal Government

The U.S. EPA provides businesses with assistance in waste minimization. Safety-Kleen and its customers can call the U.S. EPA RCRA/Superfund Hotline at (800) 424-9346.

In addition, the U.S. EPA publishes a number of guidance documents for pollution prevention and waste minimization. Safety-Kleen and its customers can obtain these guides through the U.S.EPA or the U.S. Government Printing Office (202) 783-3238.

8.2 State and Local Assistance

New Mexico Environment Department provides guidance for the Safety-Kleen Albuquerque facility. The phone number is (505)827-1558

In addition to the state, local agencies may have information. In general, Safety-Kleen and its customers can contact environmental agencies or health departments for reference to local agencies that deal with hazardous waste issues.

Section 9.0
Employee Involvement in Waste Minimization

The form in Example 9-1 is used for employee suggestions for waste minimization at Safety-Kleen facilities. This form is signed by the employee and reviewed by his manager before being submitted to the Environment Health and Safety Manager. A copy of the form is filed in EHS file 2010 - Waste Minimization.

Wherever possible, the employee includes cost justification savings that would result from implementation of the idea.

Regional Environmental personnel review ideas and refer them to upper management for possible implementation.

Figure 9-1
Waste Minimization Suggestion Submittal Form

Description of the procedure or process change suggested:
(attach additional pages and diagrams if needed)

_____

_____

_____

_____

_____

Estimated capital cost of the change: $ _____

Estimated annual expenses from the change: $ _____

Estimated annual savings from the change: $ _____

_____	_____
Employee Name	Manager Name
_____	_____
Signature	Signature
_____	_____
Title	Title
____/____/____	____/____/____
Date	Date

____-____-____
Branch Number

FILE: EHS 2020