



June 30, 1992

11934 037

State of New Mexico
Environment Department
1190 St. Francis Drive
Santa Fe, New Mexico 87502

Attention: Edward L. Horst
RCRA Program Manager
Hazardous and Radioactive Materials Bureau

Ladies and Gentlemen:

NMD980698849
Request for Determination
Revised Permit Application
Safety-Kleen Corporation
Farmington Service Center

Pursuant to direction from Mr. Robert Wachsmuth of Safety-Kleen Corporation (Safety-Kleen), Harding Lawson Associates is submitting a draft revised hazardous waste facility permit application which reflects requested operational and procedural changes at the Farmington service center. After reviewing the permit modification classes listed in Title 40 Code of Federal Regulations (40 CFR) Section 270.42 Appendix I, Safety-Kleen is requesting that all but one of these revisions be designated as Class 1 permit modifications because they reflect administrative changes. The remaining revision, discussed below, is requested as Class 2 modification. We respectfully request that you make a determination regarding the class of permit modification we have assigned to each revision.

This submittal includes:

- o Tables which list the Class 1 and 2 revisions made to the permit application and a brief explanation of each.
- o Revised pages of the permit application (with the changes underlined and the date on which the changes are made). Please note that the entire text of the permit application (except for the appendices) has been reprinted due to a modification of the software on which the permit application is stored. Therefore, the attached version of the permit application's text supersedes the previous text.

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State of New Mexico
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- o Revised pages of the appendices
- o Pages of the permit with requested revisions.

Please be aware that the attached revised pages of the permit application address the removal of drum color as discussed in Safety-Kleen's letter dated November 21, 1992 (and approved in your letter dated February 24, 1992) as well as the additional items listed on the attached table.

Sections 2.2 to 2.2.6 (i.e., Quantitative Testing, Specific Gravity, Additional Testing, Initial and Annual Process Description and Onsite Audits, and QA/QC Plan) of the permit application have been deleted. The testing described in these sections is performed at Safety-Kleen Recycle Centers and is not a standard operating procedure at Safety-Kleen service centers. The information was inadvertently included in the permit application for the Farmington service center. Safety-Kleen proposes that the qualitative testing described in Section 2.2.1 of the permit application and Attachment I-1 of the permit are adequate to comply with the requirements of 40CFR 264.13. Therefore, we respectfully request that a Class 2 permit modification be granted.

Finally, Safety-Kleen would like to address an issue related to the service center's permit (as opposed to the permit application). Attachment I-1 of the permit (i.e., Waste Analysis Plan) describes the sampling and analytical procedures for the Safety-Kleen Recycling Center. Safety-Kleen is requesting that:

- o volatile organic analyses analyzed be restricted to the organics listed in Table 1 for spent mineral spirits and immersion cleaner because these are the only volatile organics in onsite waste streams;
- o that the parameter of pH be deleted for the immersion cleaner because the new formula is petroleum-based (i.e., pH is not a critical parameter);
- o the only volatile organic analyzed for in the dry cleaning wastes is perchloroethylene because that is the only volatile organic likely to be present;
- o pH be deleted for dry cleaning solvent wastes because it is not a critical parameter.

Safety-Kleen respectfully requests that a Class 2 permit modification be granted for the above.

After your determination regarding class of permit modification has been made, we will formally submit the revised permit application. According to the requirements of 40CFR 270.42 Safety-Kleen will notify all persons on the facility mailing list which

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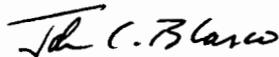
is maintained by the Director of the New Mexico Environment Department. A notice will be made and a public meeting will be scheduled for the proposed Class 2 permit modification.

Yours very truly,

HARDING LAWSON ASSOCIATES



Marilyn A. Blume
Associate Environmental Scientist



John C. Blasco
Principal Environmental Scientist

MB/JCB/seb/T24916-H

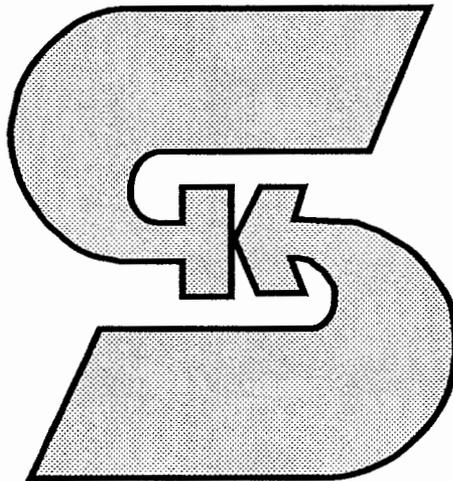
Attachments: Tables-Requested Class 1 and 2 Permit Modifications
Permit Application (Without Appendices)
Revised Appendix Pages
Revised Permit Pages

cc: R. Wachsmuth, Safety-Kleen
J. Bard, Safety-Kleen (letter only)

**PERMIT APPLICATION
SAFETY-KLEEN CORPORATION
SERVICE CENTER**

FARMINGTON, NEW MEXICO

NMD980698849



**Modified:
June 30, 1992**

**Submitted by:
Safety-Kleen Corporation
777 Big Timber Road
Elgin, Illinois**

Telephone (708) 687-8460

TABLES I AND II

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
Cover page	Addition	Cover page shows new revision date for the permit application.
Certification and Attestation Statements	Substitution	The certification and attestation statements reflect the new revision date and Mr. Robert Wachsmuth as the Regional Environmental Engineer (as opposed to Ms. Ellen Jurczak).
Table of Contents Appendices	Additions, Changes to Titles	TCLP analytical data has been added to Appendix D. Appendix E of the Table of Contents includes "Examples of Container Specifications," which replaces the titles for specific container types (information in appendix remains the same). Appendix F of the Table of Contents includes a minor change to the title of the second document under that appendix and the Telephone Spill Log has been replaced by the "Field Spill Report Form." Appendix H contains the most financial assurance documentation.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
1.0 FACILITY DESCRIPTION		
Abstract	Correction of address	The correct address for the facility is given (previously listed as 4200 A Hawkins Road); the name entered as owner of the facility has changed (however, the owner has not changed). A revised Notification of Regulated Waste Activity is being submitted under separate cover. The immersion cleaner has been divided into old and new formula.
1.1 Description of Business Activity		
Paragraph 2	Addition, Deletion	The term "three" has been replaced with the term "several."
1.1.1 Parts Cleaner Service		
Paragraph 3	Additions, Deletions	References to container capacities have been deleted; references to containers meeting DOT requirements have been added.
1.1.2 Waste Management Management Practices		
Paragraph 6	Addition	This paragraph has been added to describe the handling of dumpster/drum washer sediment (i.e., satellite accumulation, 40CFR 262.34(b)).
Paragraph 6	Addition	The title of branch manager has been changed to resource recovery branch manager.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
1.2 Description of the Facility		
1.2.2 Waste Management Practices		
Paragraph 2	Addition, Deletion	Reference to container capacity has been deleted and replaced with general reference to spent material.
Paragraph 4	Additions, Deletions	References to container capacities and color coding have been deleted; a sentence has been revised to indicate that containers are segregated according to their contents and not mixed onsite.
Paragraph 6	Addition	This paragraph has been added to indicate that all containers used for storage of hazardous waste will meet DOT requirements and that the specifications provided in Appendix E are examples of containers in which hazardous waste is stored.
Paragraph 7	Additions, Deletions	This paragraph has been revised to indicate that the storage configuration for containers shown in Appendix C is an example of how containers will be stored and that containers will not be stored higher than six feet (<i>this revision is the result of deleting specific references to container capacities and the potential for the storage configuration to vary</i>).

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
2.0 WASTE ANALYSIS PLAN		
Abstract	Addition	The spent immersion cleaner has been divided into old and new formula.
2.1 Description of Wastes		
2.1.1 Wastes Resulting from the Parts Washer Service	Additions, Deletions	References to container capacity and color coding have been deleted; general references to spent material or containers which meet DOT requirements have been added.
2.1.2 Wastes Resulting from the Dry Cleaner Service	Additions, Deletions	Reference to container capacity and color coding have been deleted (reference to containers meeting DOT requirements has been added); reference to stacking containers two high has been deleted because of revision in section 1.2.2 which indicates that containers will not be stored higher than six feet.
2.2 Quality Control Procedures		
Paragraph 4	Deletion	Item 9, which stated that waste shipments to the <i>Denton Recycle</i> facility from the <i>Albuquerque service center</i> are not mixed with waste shipments from other branches, has been deleted. Compatible waste shipments from various service centers may be mixed.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
2.2.1 Qualitative Waste Analysis, II	Addition	A sentence has been added to Subsection B which indicates that the new formula immersion cleaner is a TCLP waste. Subsection C.1. has been revised to indicate that containers meet DOT requirements.
2.2.1.d Paint Wastes	Deletion	This section referring to paint wastes, has been deleted because paint wastes are not stored at the facility (i.e., this waste stream is not on Part A or permitted for storage).
2.6 Operating Record	Addition, Deletion	This section has been retitled Operating Record. It was previously titled Operation Log.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
3.0 PREPAREDNESS AND PREVENTION PLAN		
3.1 Abstract and Security Measures	Addition, Deletion	A revision has been made to indicate that outdoor lighting is on during low light hours of the day as opposed to 24 hours a day.
3.1 Security Measures		
Paragraph 3	Addition, Deletion	This paragraph has been revised to indicate that the pump controls are located outside the return-and-fill dock (as opposed to inside).
3.2 Inspection Procedures	Addition, Deletion	A general sentence referring to the regional manager has been deleted; review of the Facility Inspection Record by the regional environmental engineer, or the regional manager, and the branch manager has been added.
3.3 Facility Design		
3.3.2 Drum Storage		
Paragraph 1	Addition	It has been noted that the drum storage area is coated with epoxy and urethane "or equivalent".
Paragraph 2	Addition, Deletion	A sentence has been revised to indicate that containers will meet DOT requirements.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
3.3.3 Compatibility of Containers with their Contents	Addition	This section has been added to describe compatibility of waste with their containers.
3.4 Plant Operations	Deletion	A sentence referring to a hoist has been deleted; this piece of equipment is not used at the service center.
3.4.1 Potential Minor Spill Sources	Deletion	Reference to container capacity has been deleted.
3.4.4 Tank Evaluation and Repair Plan		
Paragraph 1	Addition	A sentence has been added regarding reporting of releases within 24 hours.
Paragraph 2	Deletion	This paragraph has been revised to address waste as well as product.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
4.0 CONTINGENCY PLAN		
Abstract	Addition, Deletion	<p>Two pages of general information from Section 1.0 (Facility Description) have been added at the beginning of the Abstract for informational purposes.</p> <p>The Emergency Coordinator section of the Abstract has been revised to indicate that the alternate emergency coordinator is an appropriately trained employee designated by the branch manager; previously it had been indicated that the branch secretary was the alternate emergency coordinator (please note that specific names, addresses, etc. for alternate emergency coordinators are included in Appendix F).</p>
4.2 Emergency Coordinator Responsibilities	Additions, Deletions	<p>This section has been revised to indicate that the alternate emergency coordinator is an appropriately trained employee designated by the branch manager; previously it had been indicated that the branch secretary was the alternate emergency coordinator (please note that specific names, addresses, etc. for alternate emergency coordinators are included in Appendix F).</p>

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
4.3 Emergency Response Procedures		
4.3.2 Major Spills	Addition	The Spill Report Telephone Log has been replaced by the Field Spill Report Form.
4.3.3 Fire Control Procedures		
Paragraph 3	Addition	This paragraph has been revised to distinguish between the old and new immersion cleaner formulas.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
5.0 PERSONNEL TRAINING		
Abstract	Addition	The title of the second column, "Time of Training", has been changed from "Prior to Starting Work" to "Prior to Working in Unsupervised Position" to be consistent with 40CFR 264.16(b). The title of branch manager has been changed to resource recovery branch manager. The position of branch sales manager has been added (please note that position descriptions have been included in Appendix G). An "X" under the "Prior to Working in Unsupervised Position" has been added for the Warehouseman.
5.1 Outline of Training Program	Additions, Deletions	All facility employees, as opposed to new branch managers only, complete introductory training. The title of branch manager as been changed to resource recovery branch manager.
5.2 Organization Structure and Job Descriptions	Addition	This section has been expanded upon to further describe the corporate and service center organization and structure.
5.2.2 Environment, Health and Safety Department	Addition	A sentence has been added to indicate that the EHS Department includes Safety-Kleen's environmental engineers. Item A has been revised to clarify the role of the EHS Department as overseeing the

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
5.2.2 (continued)		training of personnel (this section is now consistent with Section 5.2).
5.3 Description of the Training Program	Addition	This paragraph has been revised to more clearly describe the training of service center employees.
5.3.1 Training of New Resource Recovery Branch Managers		
Paragraph 1	Addition	Waste analytical profiles have been added to the list of records to be reviewed by new branch managers.
Paragraph 2	Addition, Deletion	The length of training time for new branch managers is "about" four weeks as opposed to four weeks. In addition, the reference to "at least eight hours" of training in the Part B has been deleted. This approximation of time will not result in deletion of any topics or a change in content which new branch managers must address. The branch manager will be trained in the Part A as well as the Part B.
5.3.2 Description of the Training Program		
5.3.3 Training of New Sales Managers	Addition	The position of sales manager has been added the list of positions at the service center. A job description is included in Appendix G.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
5.3.4 Training of New Sales Representatives	Change, Deletion	The number of this section has been changed from 5.3.3 to 5.3.4. The specific length of training time for new sales representatives (i.e., two weeks) has been deleted. This approximation of time will not result in deletion of any topics or a change in content which new sales representatives must address. Slides and tapes as well as videotape will be used in the training program.
5.3.5 Training of New Warehousemen	Change	The number of this section has been changed from 5.3.4 to 5.3.5.
5.3.6 Annual Training	Change, Addition, Deletion	The number of this section has been changed from 5.3.5 to 5.3.6. "It" has changed to "The annual training". Slides and tapes as well as videotape will be used in the training program.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
6.0 CLOSURE PLAN Abstract	Correction of Address	The correct address for the facility is given (previously listed as 4200 A Hawkins Road).

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
APPENDIX A		
Part A	Addition	The appropriate TCLP codes have been added to the Part A; this is considered an informational change because the state was notified in writing previously (see also Table III, Class 3 Permit Modifications).
APPENDIX C		
Maps and Facility Drawings	Addition	A comment has been added to Dwg. D13713 to indicate that the clean and waste pumps are located inside the return and fill dock (as opposed to outside as shown on the drawings).
APPENDIX D		
Analytical Data	Addition	TCLP analytical data has been included in Appendix D.
APPENDIX E		
Equipment Information	Addition	An cover sheet for the specific container specifications provided Appendix E has been added to indicate that these specifications are examples and that all containers will meet DOT requirements.

**TABLE 1
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 1
PERMIT MODIFICATIONS
(continued)**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
APPENDIX F		
Emergency Information	Additions, Deletions	The Emergency Information sheet has been updated with current names, addresses, telephone numbers, etc. The Employees Functions During an Emergency sheet has been retitled, specific employee names have been deleted (however, assignment of functions during an emergency are still assigned by job title) and responsibilities have been slightly reorganized (however, this reorganization does not affect the emergency coordinator, or alternate emergency coordinator from meeting requirements). The Field Spill Report Form has replaced the Spill Report Telephone Log.
APPENDICES		
F Emergency Information and G Training Information	Additions, Deletions	Revised job descriptions have been added for branch manager, sales representatives and warehouseman.
APPENDIX H		
Financial Information	Addition, Deletion	The previous financial assurance documentation has been replaced by the most current (i.e., March 23, 1992).

**TABLE II
SAFETY-KLEEN
FARMINGTON SERVICE CENTER
REQUESTED CLASS 2
PERMIT MODIFICATIONS**

Section, Page or Paragraph Reference	Revision Type	Description/Explanation
2.2 Quantitative Testing, 2.3 Specific Gravity, 2.4 Additional Testing, 2.5 Initial and Annual Process Description and Onsite Audits, 2.6 QA/QC Plan	Deletion	These sections have been deleted. The testing described in this section is performed at Safety-Kleen Recycle Centers. It is not a standard operating procedure at Safety-Kleen service centers. This section was inadvertently included in the permit application for the Albuquerque service center. Safety Kleen proposed that the the qualitative testing described in Section 2.2.1 and Attachment I-1 of the permit are adequate to comply with the requirements of 40CFR 264.13.

**REVISED PAGES
FOR
FARMINGTON SERVICE CENTER
PERMIT APPLICATION**

**STORAGE FACILITY
PERMIT APPLICATION
SAFETY-KLEEN CORP. SERVICE CENTER
FARMINGTON, NEW MEXICO
NMD 980698849**

Prepared by: SAFETY-KLEEN CORP.

September 14, 1987

Revised: June 11, 1990

Revised: October 25, 1990

Modified: June 30, 1992

CERTIFICATION STATEMENT
Farmington, New Mexico Service Center
NMD 980698849

The undersigned, being a vice president of Safety-Kleen Corp., 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.

David A. Dattilo	Date
Vice President, Sales and Service	

Scott E. Fore	Date
Vice President, Environment, Health and Safety	

ATTESTATION

The undersigned, attesting witness to the Certification Statement and this document dated June 30, 1992, of which this affidavit is a part, states that I am personally responsible for the preparation of the document, that I personally gathered the information contained herein, and further that the information, to the best of my knowledge and belief, is true, accurate and complete.

<u>Robert P. Wachsmuth [June 30, 1992]</u>	Date
<u>Regional Environmental Engineer [June 30, 1992]</u>	

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Emergency Information for Service Center
Employee Position [June 30, 1992] Functions During an Emergency
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Safety-Kleen Corporate Policies on Safety and Emergency Response
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Field Spill Report Form [June 30, 1992]

G TRAINING INFORMATION
Organization Charts
List of Service Center Employees
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Training Plan Outlines (4 pages)
Training Record Forms (3 pages)

H FINANCIAL REQUIREMENTS
Closure Schedule
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Financial Assurance Documentation [June 30, 1992]
Certificate of Liability Insurance
Safety-Kleen 1986 Annual Report

FACILITY DESCRIPTION ABSTRACT

CORPORATE HEADQUARTERS: Safety-Kleen Corp.
777 Big Timber Road
Elgin, IL 60123
708/697-8460

RESPONSIBLE OFFICIALS: David A. Dattilo
Vice President, Sales and Service
Scott E. Fore
Vice President, Environment, Health and Safety

FACILITY ADDRESS: Safety-Kleen Corp. (7-008-21)
4210 A Hawkins Rd. [June 30, 1992]
Farmington, New Mexico 87401

TELEPHONE NUMBER: 502/327-9070

U.S. EPA I.D. NUMBER: NMD 980698849

GEOGRAPHIC LOCATION: 36° 44' 20" N
108° 14' 11" W

OWNER: J. D. Kinsey [June 30, 1992]
4210 B Hawkins Road [June 30, 1992]
Farmington, New Mexico 87401
303/884-2602, 505/325-3743 [June 30, 1992]

DATE OPERATIONS BEGAN: January 1, 1981

DESCRIPTION OF ACTIVITIES: This facility is an accumulation point for spent 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: .80 acres with the following structures:

- a. one building with offices and a warehouse for container storage;
- b. two aboveground storage tanks (one for product and one for spent solvent) with concrete diking; and

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

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

Storage Unit	Capacity (Gal.)	Secondary Containment(gal.)	Material To Be Stored
Tank	12,000	18,266	Spent Mineral Spirits Solvent (D001 and the codes listed in the note below)
Container Storage-- Warehouse	4,464	448.8	Spent Immersion Cleaner <u>old formula [July 1, 1992]</u> (F002, F004 and the codes listed in the note below) and <u>new formula (see ¹) [July 1, 1992]</u> Dry Cleaning Waste (F002 and the codes listed in the note below)

NOTE: 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

1.0 FACILITY DESCRIPTION

1.1 Description Of Business Activity

Safety-Kleen Corp. 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. In 1989, Safety-Kleen reclaimed more than 40 million gallons of spent solvent.

Currently, Safety-Kleen offers several [June 30, 1992] services, [Note: deleted reference to "three of"; [June 30, 1992] which involve the accumulation and storage of spent solvent at 164 service centers in 46 states. These wastes are shipped from the service centers to one of seven Safety-Kleen recycle centers or to an independent reclaimer and are then returned to customers as usable product. A unique feature of this 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 while it is in use at the customer's place of business. A description of each of these [Note: deleted "three"; [June 30, 1992] services follows.

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 drum which meets Department of Transportation (DOT) requirements (typically a 16- or 30-gallon drum) and [June 30, 1992] contains [June 30, 1992] Safety-Kleen 105 Solvent (mineral spirits). On a regularly scheduled basis, a Safety-Kleen sales representative cleans and inspects the parts washer machine and replaces the drum of used solvent with one of clean

product. Each sales 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. Approximately once every month a tanker truck is dispatched from one of the recycle centers to deliver a load of clean solvent and collect the spent solvent at the service center. Two-thirds of the solvent used by Safety-Kleen customers has been reclaimed with the remainder being purchased from a vendor.

Spent material is poured into the dumpster/drum washer in the return and fill station. It is then pumped into the storage tank for spent solvent. The sediment which accumulates in the bottom of the dumpster/drum washer is removed manually, drummed and stored in the return and fill station according to the satellite accumulation requirements of 40CFR 262.34(b). The drummed sediment is manifested offsite prior to the expiration of the 90-day timeframe for accumulation of hazardous waste.
[June 29, 1992].

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 (using a hand pump) from the customer owned machine to a standard Safety-Kleen container which meets DOT requirements [June 30, 1992] by a Safety-Kleen sales representative. The waste solvent is stored in the same manner as the waste solvent collected from our leased parts cleaner machines. The sales representative then refills the customer-owned machine with Safety-Kleen mineral spirits solvent via the

handpump. The same analyses are performed on waste solvent from customer-owned machines as are done on our leased parts cleaner machines.

A second 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 which meets DOT requirements (typically a 16-gallon drum) and [June 30, 1992] containing a chlorinated solvents/cresylic acid blend. The spent solvent remains in the drum after delivery to the service center where it is stored in a contained area of the warehouse. Approximately 3 to 4 times a year a box trailer truck is dispatched from a recycle center to deliver drums of fresh solvent and collect the drums of spent solvent for reclamation.

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 sales 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.

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

The operating record must include:

1. a record of hazardous waste shipments rejected by the facility including the following:
 - a. the name of the generator and transporter,
 - b. the manifest number,
 - c. the date the shipment was rejected, and

- d. the reason for rejection;
2. personal training records for all current personnel; and
3. 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.

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 off-site facilities, the EPA identification number of each hazardous waste generator from which the facility received a hazardous waste during the year, and, for imported shipments, 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 off-site 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.

Safety-Kleen must implement the manifesting system required under 40 CFR 264.71.

If the facility receives hazardous waste accompanied by a manifest, the resource recovery branch manager [June 30, 1992] (branch manager) or his 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 the TSDf as well as the transporter so only one copy is kept on file).
- (e) Return a copy of the manifest to the director or his or her designee within a period of 10 days after the end of the month in which the waste was received.

The requirements described above do not apply to hazardous waste produced by generators of more than 100 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 from this facility, the branch manager or his designate must:

- (a) Prepare a manifest before transporting the waste off-site.
- (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 his or her 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 regulations of the DOT in the provisions of 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 as 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 under title II 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) Submit one copy to the director or his or her designee, which shall be postmarked not later than 10 days after the month in which shipment was made.
- (e) Give the remaining copies to the transporter.

When Safety-Kleen receives or ships hazardous waste, the branch manager or his designate must review the manifest and check the information on the manifest for correctness. It should be noted that 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 and an "H" must be entered in the last column. 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 waste 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.

1.2 Description Of The Facility

The Farmington service center has been operating as a storage facility since January 1, 1981. The facility consists of the following structures:

- a. a 1,530 square foot warehouse with offices and a contained area for drum storage;
- b. two 12,000 gallon above-ground storage tanks, with diking, for clean and spent solvent; and
- c. a solvent return and fill station with a loading dock.

Descriptions of the surrounding area and of waste management practices at the service center follow. Applicable maps and facility drawings are in Appendix C.

1.2.1 Regional Description

The Farmington Service Center is located 600 feet northeast of the intersection of Troy King Road and West Main Street (U.S. Hwy 550) in San Juan County. This area is zoned industrial and to the best of Safety-Kleen's knowledge, no easements or title, deed or usage restrictions exist which may conflict with operations at this site.

The western part of San Juan County is the Navajo Indian reservation. Eastern San Juan County, the location of Farmington, has a total area of 2,182,520 acres or 3,410 square miles. The total population of the area is approximately 50,000 with about 34,000 in Farmington. The major industries in Farmington are involved in the development of gas, oil and coal resources. Abundant rangeland contributed to the

growth of the area through cattle raising and farming, however, this industry has largely declined.

Farmington has a continental climate with an average annual precipitation of 6 inches and total annual snowfall of 9 inches. The average temperature in winter is 44° F and the average summer temperature is 71° F. The average daily temperature range is 33 degrees. An average of 40 thunderstorms occur each year and prevailing winds are east-west.

San Juan County is in the San Juan Basin part of the Navajo section of the Colorado Plateau physiographic province. This area is a structural depression containing deep Tertiary till on rocks of late Cretaceous age. Farmington is located in the alluvial fan in the entrenched San Juan and Animas Rivers. The service center is not in the flood plain of either river. The elevation at the site is 5,470 feet above sea level. The San Juan River provides the principal drainage route for the area and the Animas River is its main tributary.

The soil in the area of the service center is the Avalon sandy loam. This is a deep well-drained soil on mesas and plateaus which formed in alluvial and eolian material derived from sandstone and shale. This soil is moderately permeable with slopes ranging from 5 to 8 percent.

The city of Farmington obtains its water primarily from the Animas River through two pump stations. Pump station 1 is located about two miles east of Farmington and pump station 2 and the Bee Line reservoir are several miles northeast of Farmington. Standby water is obtained from a pump station several miles south of Farmington on the San Juan River. The service center obtains water from the city of Farmington via a 6" water line on Hawkins Road. A drop inlet to the city storm sewer

system is located approximately 500 feet west of the service center. Sewage is collected in a septic tank.

There are no known oil or gas wells within a mile of the service center. No parks, schools, wetlands or critical habitats exist within one mile of the service center.

The non-building areas of the facility are paved with asphalt, concrete or gravel, as noted on the Site Plan in Appendix C. 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 Hawkins Road 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 industrial activities in this area. The route van that daily travels the routes between the service center and its customers uses the two-lane approach driveway. The trucks dispatched from the recycle center to deliver and pick up fresh and used solvents perform these activities at the aboveground tank area.

1.2.2 Waste Management Practices

The Farmington service center was designed to facilitate the handling and storage of the wastes resulting from the services offered by Safety-Kleen. The aboveground 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. Appendix C contains drawings of the waste management facilities.

Spent mineral spirits from parts washers is accumulated in a 12,000 gallon aboveground storage tank via the return and fill station. Spent material is [June 30, 1992] poured into the dumpsters in the return and fill station, and material in

the dumpster is pumped into the storage tank for spent solvent. The return and fill station has secondary containment in the form of a 17'6" x 11'2" x 0.5' (730 gallons) concrete pan at its base. The total volume of waste and product will not exceed 10 times the secondary containment volume.

The aboveground tanks have been designed in accordance with NFPA standards and are constructed of carbon steel painted white to reflect sunlight. The secondary containment is a steel reinforced concrete dike measuring 37' x 22' x 3' which holds 18,266 gallons. Two tanks holding 12,000 gallons each are in the diked area; one is for clean and one is for spent mineral spirits. Each tank is equipped with an audiovisual high level alarm.

The container storage area in the warehouse is used only for the storage of (1) spent immersion cleaner and (2) dry cleaning wastes. The wastes are not mixed while on site and different wastes are segregated according to [June 30, 1992] 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 area has secondary containment in the form of a six inch wide by four inch high steel reinforced concrete curb with a 12' x 2' x 2.5' (448.8 gallons) collection trench. No more than 4,464 gallons of spent solvents will be stored in the drum storage area at any time.

All containers used for storage of hazardous waste will meet DOT requirements and will have a maximum capacity of 55 gallons (except for 85-gallon overpack drums). Example specifications for containers used at the service center are provided in Appendix E. [June 30, 1992].

An example of the configuration for storage of containers is [June 30, 1992]
shown on the Floor Plan in Appendix C. Two feet of aisle space will be maintained and
the drums will be stored no more than six feet [June 30, 1992] high. Containers in the
drum storage area will be placed on pallets and moved with a forklift or pallet jack.

WASTE ANALYSIS PLAN ABSTRACT

Waste Description	EPA Waste Code Nos.	Facility Capacity ¹	Annual Amount ²
Spent Mineral Spirits	D001 ³	12,000	50
Bottom Sediment From the Tank	D001 ³	N/A	2
Spent Immersion Cleaner			
<u>Old Formula [June 30, 1992]F002, F004³</u>		<u>4,464⁴</u>	<u>3</u>
<u>New Formula [June 30, 1992]see ³</u>		<u>included with above</u>	<u>included with above</u>
Dry Cleaning Waste	F002 ³		6

1 The facility capacity is in gallons.

2 The annual amount is in thousands of gallons.

3 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

4 The total amount of drummed waste stored in the warehouse will not exceed 4,464 gallons.

2.0 WASTE ANALYSIS PLAN

2.1 Description Of Wastes

Four 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 only 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 Appendix D and qualitative descriptions follow.

2.1.1 Wastes Resulting From the Parts Washer Service

Spent mineral spirits from parts washers is accumulated in a 12,000 gallon aboveground storage tank via the return and fill station. Containers of spent material [June 30, 1992] poured into a dumpster at the return and fill station which in turn empties into the tank. This waste handling method results in three types of mineral spirits waste:

- a. Spent mineral spirits solvent - The spent mineral spirits 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 TCLP toxic using the characteristic leaching procedures (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). In 1986, the Farmington service center shipped about 35,000 gallons of spent solvent to the Safety-Kleen recycle center in Denton, Texas.
- 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 used for this purpose and can collect up to 2,000 gallons of this waste for reclamation. The sediment is ignitable (D001) 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).

Immersion cleaner remains in the drum in which it was originally used until it is received at the recycle center. Drums containing spent solvents are stacked no more than six feet high [June 30, 1992] two-high in the drum storage area of the warehouse. [Note: Sentence referring to color coding of containers has been deleted; June 30, 1992]. The old formula [June 30, 1992] immersion cleaner contains chlorinated solvents (F002) and cresylic acid (F004) and is toxic using the toxicity characteristic leaching procedure [June 30, 1992]. The new formula [June 30, 1992] immersion cleaner formula is 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). [Note: sentence referring to color coding of containers has been deleted; June 30, 1992.] In 1986, about 1,300 gallons of these solvents were shipped to the Denton, Texas recycle center for reclamation.

2.1.2 Wastes Resulting From the Dry Cleaner Service

Dry cleaning wastes consist of spent filter cartridges, powder residue from diatomaceous or other powder filter systems and still bottoms. These wastes are packaged on the customer's premises in drums which meet DOT requirements [June 30, 1992]. The drums are then palletized, [Note: reference to stacking height has been deleted; June 30, 1992] and placed in the drum storage area of the warehouse. While 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). In 1987, it is estimated that 2,000 gallons of dry cleaning wastes will be shipped to the Safety-Kleen recycle center in Denton, Texas.

2.2 Quality Control Procedures

The used solvents are the primary feedstocks for the generation of Safety-Kleen solvent products. As a result, quality control of the spent solvents is necessary to ensure that reclamation occurs in the safest and most efficient manner possible. The service center collects spent solvents from about 400 customers, most of whom are small quantity generators, and about 5,000 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 the 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. This mode of operation has been proven to safeguard the recycling process and maintain a quality product.

In accordance with HWMR 206.B.3, however, 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 done or the material must be rejected. If a container with questionable contents is returned to the service center, a sample will be taken and analysis will be performed at the recycle center according to the procedures outlined in tables D-1 through D-4. Pending the results of the analyses the branch manager will be notified of any contamination that may have occurred. Procedures to verify waste characteristics occur at several check points in the management of the solvent, as described 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 only collected from dry cleaner shops);
3. determining the customer's type of business (i.e., his SIC code is recorded) and the purpose for which he will use the machine.
4. training customers to use the machines properly;
5. training employees to inspect spent solvent and determine whether it is acceptable;
6. indicating on the service document, every time waste is collected, whether the spent solvent meets Safety-Kleen's acceptance criteria (Item 14 in Appendix D);
7. marking each container with the customer's name, address and EPA I.D. number (if required). 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 at each facility; and

[Note: Item 9 has been deleted; [June 30, 1992.]]

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 required); 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 and it 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., for semi-volatile organic compounds, base-neutral compounds, PCBs, etc.). If the waste is acceptable at the branch, it will be re-labeled and manifested appropriately and then managed with the other wastes. If it is not acceptable, it will either be: (a) managed 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 recycle center located in Denton, Texas sends waste analyses to the service centers. If any sample of the waste solvent does not meet standard acceptance criteria, the recycle center will phone the branch manager and alert him to the situation before any processing is done. The branch manager has the right to refuse any further service to a business which has returned waste unable to meet acceptable criteria. If the particular acceptance criteria is not met, a determination will be made as to what

processing technology is required. The material is processed accordingly which may include transportation to another facility. Each truckload of spent mineral spirits comes from one identifiable Safety-Kleen facility. The recycle center and the branch facility have accurate up-to-date information on the waste constituents which are available in the event of a release.

2.2.1 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 acceptance criteria allow Safety-Kleen to ensure that the waste being picked up is not contaminated.

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, as described below, to determine whether the waste has been contaminated; or (2) reject the drum of 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 take a sample of the waste and 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 involves analyzing the suspect waste for flash-point and the presence of volatile organic compounds using a modified EPA 8010 method (GC analysis). 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. In the event the generator does not contract with Safety-Kleen to arrange for the treatment or disposal of waste which is sampled and found to be contaminated, Safety-Kleen will provide 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) with the results of this additional quantitative testing.

b. Waste Specific Criteria

The following is a description of the specific acceptance criteria for each waste stream.

I. Spent Mineral Spirits Solvent

The acceptance criteria for determining by visual inspection whether spent mineral spirits 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 sample the waste for laboratory testing as described above, or will reject the waste.

In addition to the volume criterion, the odor of the spent solvent will clearly indicate whether the waste has been contaminated. Spent mineral spirits solvent has a very distinctive odor. The service representatives are expressly instructed not to deliberately sniff the waste. However, if the mineral spirits solvent has been contaminated the service representative would immediately notice a difference in the odor when he services the machine.

The spent mineral spirits solvent is also visually inspected for its color. Unused mineral spirits solvent has a 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. Therefore, if the spent solvent does not appear to be green, brown, or black, the service representative will sample the waste for possible contamination as described above, or will reject the waste.

II. Immersion Cleaner

Safety-Kleen is currently in the process of reformulating its immersion cleaner.

A. Old Formula [June 30, 1992] Immersion Cleaner

The criteria for the inspection of spent immersion cleaner are volume, color and physical state. If the volume of waste exceeds the specified level [June 30, 1992], 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. Therefore, if the spent immersion cleaner does not appear to be amber, brown or

total volume of waste. If the waste is not separated into phases, or if the aqueous phase is greater than 20%, the service representative will either sample the waste for possible contamination as described above, or will reject the waste.

B. New Formula [July 1, 1992] Immersion Cleaner

The new immersion cleaner has been [July 1, 1992] determined to be a hazardous waste according to the TCLP [July 1, 1992]. The acceptance criteria and respective descriptions will be the same as those for the existing immersion cleaner, with the exception of the physical state criterion. The new immersion cleaner waste is a single phase waste [July 1, 1992], therefore, this criterion is not applicable.

C. Dry Cleaner Wastes

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

1. Spent Filter Cartridges

Spent Filter cartridges are placed in a container that meets DOT requirements [July 1, 1992]. 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 tinge. 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.

representative will sample the waste for contamination in accordance with the procedures described above, or will reject the waste.

II. 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" to the touch. 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.

III. 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.

2.3 Waste Analyses at the Recycle Center

Analyses performed at the Safety-Kleen recycle centers are undertaken to safeguard the recycling process and to assure the product quality. The following tables in Appendix D summarize a typical waste analysis plan practiced at the recycle center for the hazardous materials returned from the service center:

Table D-1 Parameters and Rationale for Hazardous Waste Selection

Table D-2 Parameters and Test Methods

Table D-3 Methods Used to Sample Hazardous Wastes

Table D-4 Frequency of Analysis

2.4 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 the responsibility of the Environment, Health and Safety Department at Safety-Kleen's Corporate Office in Elgin, Illinois.

2.5 Land Ban Notification/certification Forms

In accordance with 40 CFR 268.7, Safety-Kleen will provide notification/certification 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., MS, IC, perc, freon); 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 set of forms is in Appendix D.

2.6 Operating Record [June 30, 1992]

Safety-Kleen maintains an operating record [June 30, 1992] 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 each hazardous waste within the facility and the 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) All closure and post-closure cost estimates;
- 9) A certification by the permittee no less often than annually, that the permitter has a program in place to reduce the volume and toxicity of hazardous waste;
- 10) The land ban notices and requirements. These records are kept on file in the branch manager's office.

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 around the facility.
- b. Warning signs are posted at all entrances.
- c. Locks are on all entrances to the warehouse.
- d. Remote controls for all tank operations are inside the warehouse.
- e. There is hour outdoor lighting on sensing devices that activate at low light hours of the day [June 30, 1992].

INSPECTION PROCEDURES: See Appendix E for a 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 three exits in the warehouse.
- d. Water is available from the city of Farmington.

3.0 PREPAREDNESS AND PREVENTION PLAN

3.1 Security Measures

The facility is secured with a six-foot high chain link fence topped by three strands of barbed wire. All access gates are locked when the facility is unoccupied and warning signs in both English and Spanish are placed fifty feet on all sides of the fence stating "Danger - Unauthorized Personnel Keep Out" which are visible from twenty-five feet are posted at the entrances. In addition, outdoor lights are on sensing devices that activate at low light [June 30, 1992].

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.

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 of the return-and-fill dock [June 30, 1992]. The pumps are not activated unless mineral spirits product or waste is being added to or removed from the tanks by Safety-Kleen personnel. The container storage area is also locked unless occupied by Safety-Kleen personnel. As a result the tanks and container storage area are inaccessible except by Safety-Kleen personnel. In addition, warning signs are posted on the return and fill station.

3.2 Inspection Procedures

The branch (i.e., service center) manager or his designate is responsible for carrying out and documenting the facility inspection (Appendix E) on a daily basis. He must note any repairs that are needed and assure that they are completed. If he can not carry out the repairs himself, he must notify the Technical Services Department at

Safety-Kleen's corporate headquarters and request assistance. Completion of repairs must also be noted on the Facility Inspection Record.

The regional environmental engineer or regional manager [June 30, 1992] must review the Facility Inspection Record on a quarterly basis with the branch manager [June 30, 1992] to insure that they are properly completed and that any necessary repairs have been effected.

The facility inspection includes the following:

- a. Tank inspections--At a minimum, the tanks holding the solvent product and spent solvent are inspected daily. The inspections include checks of the high level alarm and of the volume held in the tank. 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 spent solvent is 85% full, a pickup must be scheduled with the Solvent Control Department in Safety-Kleen's corporate headquarters. The solvent must not exceed 95% of the tank volume at any time.

The secondary containment for the tanks must be checked for cracks or other deterioration. Any damage to tanks (such as rust or loose fixtures) or 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 on a daily basis. Any solvent in the hoses must be drained after use. The pumps, pipes and fittings must also be checked daily for damage and proper functioning. Any damage to the solvent dispensing equipment must be noted and repaired.
- c. Drum storage areas--The drum storage area is inspected daily and the number and condition of the drums noted. The total volume of the spent 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 integrity. Finally, the drums must be properly labeled and marked in accordance with U.S. DOT and New Mexico hazardous waste regulations. The secondary containment system must be inspected for deterioration or failure. If cracks or leaks are detected, they must be repaired immediately.
- d. Route vehicles--Each route vehicle must be inspected daily to insure the proper operation of its brakes, lights, turn signals, emergency flashers and

wipers. In addition, the necessary safety equipment must be on board: sorbents, fire extinguisher, eye wash, first aid kit, reflector kits, rubber gloves, plastic aprons, and safety glasses. Any missing equipment must be replaced.

- e. Dumpsters--The wet dumpster (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. The dry (trash) dumpster must be inspected to insure that no liquids are being placed in it.
- 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. A list of required emergency equipment is in Appendix E.
- g. Security--The operation of each outside light, gate and lock must be checked daily. In addition, the fence must be inspected for deterioration on a weekly basis.

3.3 Facility Design

The Farmington 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 in Appendix E and descriptions follow.

3.3.1 Tank Storage

The 12,000 gallon storage tank is 10'6" in diameter and 19' high. It is constructed of 3/16" thick (1/4" thick in the lower third of the tank) carbon steel painted white to reflect sunlight. The tanks are constructed in accordance with Underwriters Laboratories Standard 142 and they are located more than 15 feet from the property line, in accordance with National Fire Protection buffer zone requirements. The secondary containment for the tanks consists of a monolithically poured slab and concrete block dike wall. The slab is six and the wall is eight inch thick.

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.

The return and fill station is a concrete block structure and the secondary containment is monolithically poured concrete. The dumpsters are tight-piped to the tank, and all piping is aboveground and the joints are welded.

3.3.2 Drum Storage

The slab, curbing and collection trenches for the drum storage area in the warehouse are made of steel-reinforced concrete and the concrete has been poured so that no cracks or gaps exist between them. The curbing is four inches high and six inches wide and 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 coating used on the floor and curbing is coated with a chemical-resistant epoxy and urethane (or equivalent) [June 30, 1992] so as to be impermeable to contain leaks and spills. The solvents in storage are only incompatible with strong oxidizers and reactive metals, none of which are present in the base or sealants.

The immersion cleaner and dry cleaning wastes are compatible with the drums in which they are stored; in fact, mineral spirits is sometimes used as a rust-preventive coating for steel. Dry cleaning wastes are stored in polyethylene and steel drums, both of which meet DOT requirements [June 30, 1992]. The drums have been treated with fluorine gas to be resistant to dry cleaning solvents and they are all placed on pallets to facilitate shipping and storage.

3.3.3 Compatibility of Containers with their Contents and Each Other [June 30, 1992]

The mineral spirits, immersion cleaner, dry cleaning waste and paint wastes are compatible with the drums in which they are stored; in fact, mineral spirits is sometimes used as a resut-preventive coating for steel. Immersion cleaner, mineral spirits, and paint waste are stored in steel drums.

Dry cleaning wastes are stored in containers which meet DOT requirements. The typically used polyethylene drums have been treated with fluorine gas to be resistant to dry cleaning solvents. Immersion cleaner and dry cleaner waste are never opened at the branch facility. Containers in the warehouse will be palletized to facilitate storage shipping. Since none of the wastes handled by Safety-Kleen react with steel or polyethylene, compatibility is assured. [June 30, 1992]

3.4 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 will be moved using a handcart and pallets using a forklift or pallet jack. [Note: Sentence referring to hoist has been deleted; [June 30, 1992]. Upon arrival at the service center, containers of spent 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.

3.4.1 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 - As the contents of the [June 30, 1992] drums are poured into the dumpster, solvent can splash

out. Employee training emphasizes the importance of taking care in emptying the drums. The return and fill station is underlain by a pan with a floor drain that empties into the storage tank. 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.
- 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 a quantity which can be collected with sorbent clay or pads. Any contaminated soil that results will be removed manually, drummed and shipped to a Safety-Kleen recycle center for proper disposal.

3.4.2 Potential Major Spill Sources

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 spent 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 and other equipment present a potential for leaks and resultant pollution. Regular inspection of this equipment and the solvent inventory will detect any leaks.

3.4.3 Potential Fire Sources

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

- o All wastes and products are kept away from ignitable sources - Personnel must confine smoking and open flames to remote areas, separate from any solvent (e.g., the office or locker room). The mineral spirits handling area and the aboveground storage tanks are separated from the warehouse building area to minimize the potential for a fire to spread or injury to personnel to occur.
- o Ignitable wastes are handled so that they do not:
 - become subject to extreme heat or pressure, fire or explosion, or a violent reaction - The mineral spirits 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.
 - produce uncontrolled toxic mists, fumes, dusts or gases in quantities sufficient to threaten human health - The vapor pressure of mineral spirits 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 handled at this facility and the solvent vaporization will be minimal under normal working conditions.
 - produce uncontrolled fires or gases in quantities sufficient to pose a risk of fire or explosion - See 'a' above and 'c' below.
 - damage the structural integrity of the Safety-Kleen facility - The mineral spirits will not cause deterioration of the tank, drums or other structural components of the facility.
- o 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.
- o "No Smoking" signs are posted in areas where solvents are handled or stored.
- o Fire extinguishers must be checked once per month and tested by the fire extinguisher company once per year.

3.4.4 Tank Evaluation and Repair Plan

Any release to the environment must be reported to the Regional Administrator within 24 hours of its detection and major certification of repairs is required

[June 30, 1992].

The product and waste [June 30, 1992] stored in the tanks at this facility are pure and spent mineral spirits; both of which are [June 30, 1992] compatible with the carbon steel structure; in fact, mineral spirits is often used as a light hydrocarbon coating to prevent rusting of metal parts.

If, during the daily inspection, corrosion is noted, it will be removed and the tank repaired. If corrosion is significant and localized, the tank will be immediately taken out of service and repaired, (e.g., a patch welded over the corroded area). Should the corrosion of the vessel be extensive or if the tank is found to be leaking, the vessel will be immediately taken out of service and replaced. In the case of a tank which leaks outside of the dike, the facility's contingency plan will be initiated to insure the removal of any contaminated soil. Any extensive repairs to the tank system will be assessed and certified by an independent engineer before the system is returned to use.

3.4.5 External Factors

The design of the installation is such that a harmful spill is highly unlikely to occur from most external factors. The storage tanks are inaccessible to non-Safety-Kleen personnel and the pump switches are located inside. Also, the drum storage areas are in buildings which are inaccessible to unauthorized 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.
- d. Flooding - The site elevation is above the projected 100-year flood plain; therefore, a 100-year flood will not affect the facility.
- e. Storms or Cold Weather - The solvent return and fill station is roofed to eliminate the possibility of rain or snow entering the dumpsters. No

opportunity is foreseen to affect the facility with snow, cold weather or storm water.

3.5 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 on the loading dock which alerts another employee in the warehouse that there may be a problem. Telephones will be used to report a spill or a fire and to summon assistance from local and state emergency response agencies. Branch managers have emergency phone numbers of local and state emergency response teams 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 the Environment, Health and Safety Department.

CONTINGENCY PLAN ABSTRACT

[Note: This page and the following page have been copied from Section 1.0 (Facility Description) for informational purposes; [June 30, 1992]

CORPORATE HEADQUARTERS: Safety-Kleen Corp.
777 Big Timber Road
Elgin, IL 60123
708/697-8460

RESPONSIBLE OFFICIALS: David A. Dattilo
Vice President, Sales and Service
Scott E. Fore
Vice President, Environment, Health and Safety

FACILITY ADDRESS: Safety-Kleen Corp. (7-008-21)
4210 A Hawkins Rd. [June 30, 1992]
Farmington, New Mexico 87401

TELEPHONE NUMBER: 502/327-9070

U.S. EPA I.D. NUMBER: NMD 980698849

GEOGRAPHIC LOCATION: 36° 44' 20" N
108° 14' 11" W

OWNER: J. D. Kinsey [June 30, 1992]
4210 B Hawkins Road [June 30, 1992]
Farmington, New Mexico 87401
303/884-2602, 505/325-3743 [June 30, 1992]

DATE OPERATIONS BEGAN: January 1, 1981

DESCRIPTION OF ACTIVITIES: This facility is an accumulation point for spent 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: .80 acres with the following structures:

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

- b. two aboveground storage tanks (one for product and one for spent solvent) with concrete diking; and
- c. one loading dock with a solvent return and fill station.

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

Storage Unit	Capacity (Gal.)	Secondary Containment(gal.)	Material To Be Stored
Tank	12,000	18,266	Spent Mineral Spirits Solvent (D001 and the codes listed in the note below)
Container Storage-- Warehouse	4,464	448.8	Spent Immersion Cleaner (F002, F004 and the codes listed in the note below) and Dry Cleaning Waste (F002 and the codes listed in the note below)

[June 30, 1992]

NOTE: 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

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 [June 30, 1992].

EMERGENCY NOTIFICATIONS:

Farmington Police Department	505/327-0222
Farmington Fire Department	505/325-3501
San Juan County Regional Medical Center	505/325-5011
Environment, Health and Safety Department	708/888-4660
New Mexico Health and Environment Dept.	505/827-9329
Rinchem	505/345-3655
	505/883-4232
	(24-hour Central Security)
	<u>[June 30, 1992]</u>

4.0 CONTINGENCY PLAN

Safety-Kleen Corp. (2-004-01)
4210 [June 30, 1992] A Hawkins Rd.
Farmington, New Mexico 87401

4.1 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 ground water.

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, implementing the procedures contained in this plan.

4.2 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 his alternate be unavailable. The branch manager is the emergency coordinator and the alternate emergency coordinator is a trained employee designated to this position by the branch manager [June 30, 1992].

The emergency coordinator and his 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 Appendix F. Also listed in Appendix 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.

4.2.1 Responsibilities During an Emergency

Whenever there is an imminent or actual emergency situation, the emergency coordinator (or his 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 Environment, Health and Safety Department using the 24-hour telephone number after working hours - 708/888-4660; and
- c. notify appropriate state or local agencies with designated response roles, if 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 or 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 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.

4.2.2 Remedial Action Responsibilities

If the environment has been contaminated or there is a potential for contamination as a result of a fire, explosion, or spill, the emergency coordinator must contact the Environment, Health and Safety Department to report the incident. All releases, fires, and explosions 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 must 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) the EHS and/or Technical Services Department must be contacted and assistance requested. The treatment, storage and/or disposal of the recovered waste, contaminated soil or surface water that results must be arranged by Safety-Kleen and carried out as expeditiously as possible.

The emergency coordinator must ensure that, in the 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.

4.2.3 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 Environment, Health and Safety Department. The department will notify the New Mexico Health and Environment Department (HED) of any spill or release of hazardous waste within 24 hours (except for spills of one pound or less that are immediately cleaned up). The department will report to the New Mexico Health and Environment Department (HED) 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 4.2.2 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 HED. The report will contain the information set out in Pt. V, § 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.

4.2.4 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 Environment, Health and Safety Dept.
- c. The Environment, Health and Safety Department reports to the New Mexico HED.

4.2.5 Government Agencies and Local Authorities to Be Notified

During an emergency, the following government agencies and local authorities may be contacted:

<u>Agency or Authority</u>	<u>Rationale</u>
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.
New Mexico HED	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. Copies of the letters to the local police department, fire department and hospital are in Appendix F.

4.3 Emergency Response Procedures

Response actions to be taken in specific emergency situations are described in the sections which follow.

4.3.1 Minor Spills

If a spill should occur while pouring spent 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 a paved area, it must be collected with sorbent sheets and/or sorbent clay (such as "Oil Dry"). The sorbents will be collected, drummed and shipped to the 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 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. Then, following the instructions of the appropriate Material Safety Data Sheet (Appendix F), the worker will enter the area wearing rubber gloves, aprons, safety glasses, and/or a respirator, collect the liquid, drum it and return it to storage. An explosion proof area is one in which special wiring has been used. Only the return and fill station contains this type of wiring.

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 Environment, Health and Safety Department and the department will contact the New Mexico HED (if the spill is of a reportable quantity).

In the event a container needs emptying, a pump located on the facility will be used to remove the liquid and pump it to a new container. In the event liquid from a tank needs to be removed, tanker trucks will be used to remove the liquid and haul it to the recycle center. A wet/dry vacuum is present at the site to be used in the event of a minor spill. Sorbent pads can also be used to wipe up any minor spills.

4.3.2 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, ground water, sanitary sewer systems and storm sewer systems. Emergency response to this type of spill should be as follows:

- a. Assist any injured people.
- b. Stop the flow of solvent, if possible.

- c. Retain, contain or slow the flow of the solvent if it can not be stopped.
- d. If solvent escapes your containment efforts, immediately call the local Fire Department, and report to the emergency coordinator and the Environment, Health and Safety Department.
- 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 Environment, Health and Safety Department using the 24-hour telephone number: 708/888-4660. If the Environment, Health and Safety Department does not respond within thirty minutes, 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 New Mexico HED (telephone: 505/827-9329 - 24 hour number). Otherwise, the Environment, Health and Safety Department will contact the proper authorities.

The person reporting a spill should be prepared to give his 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, and the containment status and specify any equipment needed.

Contaminated material resulting from remedial actions for major spills, will usually be disposed of at a properly permitted treatment or disposal facility since the quantity of waste material will probably exceed the storage capacity of the Safety-Kleen recycle center.

Contaminated equipment resulting from remedial actions for spills must be cleaned and decontaminated. If it is a paved or metal surface, this can be done using a detergent solution.

Every spill must be recorded on the Field Spill Report Form [June 30, 1992] (Appendix F) and reviewed with branch personnel to prevent similar spills from occurring in the future. A copy of this report is sent to the Environment, Health and Safety Department.

4.3.3 Fire Control Procedures

If a fire occurs, personnel must act quickly with the fire extinguisher to put out the fire before it spreads. If it can not be extinguished immediately and/or an explosion occurs, evacuate the facility and call the fire and police departments.

Vapors of mineral spirits exposed to a spark or open flame can flash at temperatures over 105° F. A mineral spirits fire can best be extinguished with foam. If foam is not available, sweeping the fire with water fog can cool it, directing the water spray to push the flames into a confined area, if possible. The flame should not be extinguished until the flow of the solvent has been stopped. Then attention should be directed immediately to extinguishing the flame.

The old formula immersion cleaner [June 30, 1992] (which is a mixture of chlorinated solvents, cresylic acid and an alkaline solution), and dry cleaning wastes are not flammable, but can produce phosgene gas and hydrochloric acid at very high temperatures (about 1200° F). The new formula immersion cleaner also is not flammable; however, incomplete combustion can generate carbon monoxide and other toxic vapors [June 30, 1992]. The potential for the materials reaching a decomposition state is minimal; however, branch personnel and local authorities must be aware of the proper response, should a fire affect the drum storage areas:

- a. Isolate the hazard area and deny entry to unauthorized personnel.
- b. Stay upwind; keep out of low areas.

- c. Ventilate closed spaces before entering them.
- d. Wear positive pressure breathing apparatus and protective clothing.
- e. Evacuate a 600 foot radius area endangered by the gas.
- f. Cool the area and containers with water until well after the fire has been extinguished.

A fire in the drum storage area can best be extinguished by foam, water fog, or water spray.

Explosions may result in the spread of fire, unstable structures, and other hazardous conditions at the facility. Therefore, the site must not be re-entered until the fire department and Safety-Kleen's insurance company have determined it is safe to do so. Action must be taken to ensure that fires, explosions, or releases do not occur or reoccur. These include removing the source of the problem, repairing or remediating the source of the problem, coding areas subject to fires and explosions and replacing faulty equipment.

4.4 Evacuation Plan

Clearly marked exits exist in the warehouse and office area and employees are trained to be aware of all potential escape routes.

When an uncontrolled fire or release has occurred, all personnel are to be evacuated from the area and assemble across Hawkins Road 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 or from a neighboring facility.

4.5 Arrangement with Emergency Response Contractors

The emergency coordinator and his alternates have been trained using this contingency plan as well as in a classroom setting. They have references such as various state members at the corporate office and the Material Safety Data Sheets to help them make decisions during an emergency.

An emergency response contractor is identified on the Emergency Information sheet (Appendix F). This contractor will provide emergency assistance during a release and/or cleanup.

4.6 Pollution Incident History

There are no records of a pollution incident having occurred at this facility.

4.7 Implementation Schedule

Any discrepancies or deficiencies found during the routine inspection must be corrected expeditiously to insure that the problem does not lead to an environmental or human health hazard. 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 the routine inspection, and will consult with the corporate environmental and engineering staffs to design an implementation schedule for remedial action.

4.8 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 (Appendix F) 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 license is modified to allow new process 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.

PERSONNEL TRAINING ABSTRACT

OBJECTIVE: The purpose of training is to familiarize employees with environmental regulations, records and emergency procedures so they can perform their jobs in the safest and most efficient manner possible. The program is designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment and emergency systems.

TIME OF TRAINING

JOB TITLE	Prior to Working in Unsupervised Position [June 30, 1992]	On the Job	Annually	When Regulations and/or Procedures Change
<u>Resource Recovery</u> <u>[June 30, 1992]</u>				
Branch Manager	x		x	x
Branch Secretary		x	x	x
<u>Branch Sales Manager</u>	x	x	x	x [June 30, 1992]
Sales Representative	x	x	x	x
Warehouseman	x [June 30, 1992]	x	x	x

5.0 PERSONNEL TRAINING

5.1 Outline of Training Program

Each employee is trained to operate and maintain the facility safely, and to understand hazards unique to his job assignment. All facility employees except for Branch Secretary and Sales Managers [June 30, 1992] must complete an introductory training program before starting their jobs, with annual review and update thereafter. Appendix G 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 Pt. V, S 264.16. The persons listed on the resumes in Appendix G are personnel working for Safety-Kleen Environment, Health and Safety Department. All of these people provide input to Safety-Kleen training program and any of them may participate in the actual training. Robert Wachsmuth, regional environmental engineer, directly assists with the training of [June 30, 1992] trains new resource recovery branch managers [June 30, 1992] (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 Appendix G.

5.2 Organization Structure and Job Descriptions

The Corporate Training and Environmental, Health and Safety Departments are responsible for developing, implementing and presenting the training program to the branch manager. Environmental compliance and training of facility employees is the responsibility of the branch manager. The Corporate Training and Environmental, Health and Safety Departments ensure that the branch manager is trained and that he in turn trains facility personnel including annual and introductory training of sales

managers, sales representatives, branch secretaries and warehouse personnel. Resumes describing education, training, and hazardous waste experience for Environmental Health and Safety personnel responsible for developing and presenting training programs to the branch manager are presented in Appendix G. Job descriptions for branch personnel are also provided in Appendix G, [June 30, 1992]

5.2.1 Branch Manager

The branch manager is ultimately responsible for the operations at the service center. The sales representatives, secretary and warehouseman 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 wastes 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.

The branch manager is trained (see section 5.3.1) sufficiently that he is able to perform as a trainer himself, for his employees.

5.2.2 Environment, Health and Safety Department

Safety-Kleen's Environment, Health and Safety (EHS) Department operates out of the corporate office in Elgin, Illinois. This department includes Safety-Kleen's environmental engineers [June 30, 1992]. Each field [June 30, 1992] regional environmental engineer who works in this department is responsible for compliance of the service centers in a given geographic area of the country. The EHS Department must:

- a. provide oversight in training of personnel in accordance with [June 30, 1992] regulations and corporate policy;
- b. notify the proper authorities, oversee remedial actions and submit a written report to the state after an emergency situation has occurred;
- c. assure that environmental permits are submitted and updated as required;
- d. manage any environmental compliance issues which exceed the resources available at the service center level; and
- e. participate in training new branch managers. Resumes for those employees responsible for training new branch managers are in Appendix G.

5.3 Description of the Training Program

Employee training is accomplished using both classroom and on-the-job methods. Environmental training for branch managers comes from both the EHS Department and regional environmental engineers. This training is sufficient enough to allow the branch manager to in turn to train his facility employees. [June 30, 1992]

All 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. Introductory and annual training program outlines for all facility personnel are provided in Appendix G. In addition, new branch managers receive more intense training as designated by the

Corporate Training and EHS Departments. These training program outlines are also located in Appendix G. [June 30, 1992]

5.3.1 Training of New Resource Recovery Branch Managers

New managers are trained for several weeks before they begin their new positions. This training is both in situ and classroom modes. While being trained at a designated "training facility", a new manager reviews all environmental records and learns the recordkeeping requirements. These records include: waste analysis profiles [June 30, 1992] manifests, personnel records, training records, facility inspection records, and spill reports. An employee may not work in an unsupervised position until he or she has received the training as outlined in Appendix G.

The training culminates in about [June 30, 1992] four weeks of training at his new facility, at least one day of which is devoted to environmental training with his regional environmental engineer. This training [June 30, 1992] consists of an introduction to environmental law and a review of the Part A and B [June 30, 1992], including the Waste Analysis Plan, Preparedness and Prevention Plan, Contingency Plan, Training Plan and Closure Plan. This training is outlined in Appendix G.

Additional time is spent reviewing past environmental compliance at the branch manager's facility and regulations unique to his state are discussed as well.

5.3.2 Training of Branch Secretaries

Branch secretaries are trained in the proper recordkeeping 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 Introductory

and Annual Training Topics for Branch Employees (Appendix G) which are explained in company-produced videotape presentations on emergency response, shipping documents (including manifests), drum labels and other safety and environmental compliance issues. In addition, the contingency plan must be reviewed with the branch manager within the first two weeks of the secretary starting work.

5.3.3 Training of Sales Manager [June 30, 1992]

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 goals 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. The sales manager supervises the sales aspect of the sales representative position. Though most training for this position is within the area of sales, the sales manager also receives the training in the Introductory and Annual Training Topics for Facility Employees located in Appendix G. A sales manager may also be trained as the designate for performing the facility inspection. Additional training in the form of slide and/or video presentations and a review of the Contingency Plan with the branch manager is required. A job description for this position can be found in Appendix G. [June 30, 1992]

5.3.4 [June 30, 1992] Training of New Sales Representatives

New sales representatives are trained in situ for [Note: deleted reference to two weeks; June 30, 1992] during which 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 is in the form of slide/tape

and/or [June 30, 1992] videotape presentations and a review of the contingency plan.

The contingency plan must be reviewed with the branch manager before the sales representative formally begins his new position and annually thereafter. All items listed in the Introductory and Annual Topics Training for Branch Employees (Appendix G) must be explained within six months of starting.

5.3.5 [June 30, 1992] Training of New Warehousemen

A warehouseman is trained to maintain the service center and assist the other branch employees in their tasks. He may be a designate for the facility inspection and must be trained by the branch manager as such. Within two weeks of the warehouseman starting, the branch manager must review the contingency plan with him, and within six months he must review the items listed in the Introductory and Annual Training Topics for Branch Employees (Appendix G).

5.3.6 [June 30, 1992] Annual Training

On an annual basis, employees are trained using a program prepared and updated annually by the EHS Department. The regional environmental engineer must insure that the program has been executed. The annual training [June 30, 1992] includes updates on environmental regulations, an in-depth review of the contingency plan and a review of RCRA inspection criteria.

All service center employees must annually review the items listed in the Introductory and Annual Topics for Branch Employees. This review is in the form of slide/tape and/or [June 30, 1992] videotapes and a review and discussion of the storage facility permit application. In addition, periodic memoranda on changes in environmental regulations are issued by the EHS Department and must be read and discussed by all branch personnel.

5.4 Training Records

All training must be documented using the record forms in Appendix G. The records must be kept on file at the facility until closure. Employees may not work in unsupervised positions until the contingency plan has been reviewed and they understand emergency response procedures.

CLOSURE PLAN ABSTRACT

LOCATION ADDRESS: Safety-Kleen Corp. (7-008-21)
4210 A Hawkins Road [June 30, 1992]
Farmington, New Mexico 87401

U.S. EPA I.D. NO: NMD 980698849

WASTE UNITS TO UNDERGO CLOSURE:

- a. Tank Storage - one 12,000 gallon aboveground storage tank
- b. Drum Storage - an area of about 187 square feet with a storage capacity of 4,464 gallons.
- c. Return and Fill Station - The location of this waste management unit is shown in the Site Plan. It can hold 375 gallons of waste.

The volumes shown above are the maximum amounts which will be stored at this facility.

6.0 CLOSURE PLAN

6.1 Purpose

The Farmington service center operates as a storage facility for hazardous wastes, and Safety-Kleen believes it is required that it 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 and Appendix H contains an estimated schedule and cost for the completion of closure. Safety-Kleen will remove all hazardous wastes and residuals from the facility and will therefore eliminate the need for further maintenance and care. The expected year of closure for this facility is 2020. An outside contractor will be performing the closure clean up and sampling activities. The contractor will have worked with Safety-Kleen prior to clean up so we can be aware of their capabilities. A state licensed professional engineer will be on site periodically to certify the adequacy of the clean up activity.

6.2 Aboveground Tank and Associated Piping

To safely clean and decommission the aboveground storage tank:

- a. Remove the remaining material from the tank and return the materials to the Recycle Center for reclamation.
- b. Provide access to the tank.
- c. Rinse, scrape and squeegee the tank interior, removing all residual waste material and rinsate.
- d. Disconnect and decontaminate all appurtenant piping and pumping equipment.
- e. Remove tank and appurtenant equipment and reuse or sell as scrap.
- f. Clean and raze the diking and slab.
- g. Backfill all excavations with clean fill materials.
- h. Transport and dispose of all waste material generated during the project.

6.2.1 Removal of Waste Material and Opening of the Tank

The contents of the tank must be removed using a pump, vacuum or similar equipment and then be shipped by tanker truck to a reclaimer.

To gain access to aboveground tanks, use the manway at the top of the tank. 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.

6.2.2 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 mineral spirits followed by a detergent solution.

The method used to remove the residual waste material from the tanks 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 6.2.1).

Subsequent to vacuuming the majority of the material from the tanks, it may be necessary to use a high pressure wash system using clean solvent and a detergent solution to rinse residual material from the walls, roof, and floor of the tank. The evacuated material and the rinse solution will be shipped to a 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:

- a. Tanks are to be washed, neutralized and/or purged (where flammable atmosphere is present) prior to being entered.
- b. Supply valves must be closed and tagged and bleeder valves left open; or supply piping should be disconnected.
- c. Pumps or motors normally activated by automatic controls shall be operated manually to be sure they have been disconnected. Instrument power switches should be tagged "Off".
- d. On tanks where flammable vapors may be present, all sources of ignition must be removed.
- e. Under circumstances where "hot work" (welding, burning, grinding, etc.) is to be performed in or on the vessel, a test for combustible gases shall be taken. This is referred to as a "flash test". In all tank entering situations, an oxygen deficiency test shall also be performed prior to tank entry. Both flash test and oxygen deficiency test will be performed by the supervisor of the area in which the work is being done.
- f. Under conditions where there exists a possibility (no matter how remote) of toxic vapors being present in the tank to be entered, the supervisor will arrange to have the air tested. The results of all tests will be displayed on site.
- g. There must be a set of wristlets or a rescue harness and sufficient rope at the job site to effect a rescue. Any other rescue equipment considered necessary must also be on the job site.
- h. Workers should wear rescue harnesses if entering a tank with a large enough opening to easily effect a rescue. In tanks with small openings, only wristlets may be used. In cases where there are agitator shafts, drums or other hazards in which the man's life-line would be entangled and the supervisor in charge feels that wearing the lifeline may entrap a man and increase the hazard, the wearing of a harness or wristlets may be eliminated.
- i. A constant source of fresh air must be provided to insure a complete change of air every few minutes. In cases of short term entry for inspection or removal of objects, an air mask is recommended. In cases of long term entry the use of an air mover should be considered.

- j. When a ladder is required to enter a tank, the ladder must be secured and not removed while anyone is in the vessel. In cases where a rigid ladder could become an obstacle, a chain ladder may be used.
- k. Adequate illumination must be provided and a flashlight or other battery operated light must also be on hand to provide illumination for a safe exit in the event of an electrical power failure.
- l. All electrical equipment to be used inside the tank must be in good repair and grounded.
- m. Other people working in the immediate area will be informed of the work being done, and they must inform the watcher or supervisor immediately of any unusual occurrence which makes it necessary to evacuate the tank.
- n. The Watcher or Standby Observer System must be implemented. It consists of the following:
 - Workers inside a confined space must be under the constant observation of a fully instructed watcher.
 - Before anyone enters the tank, the watcher will be instructed by the person in charge of the entry that an entry authorization must be obtained from the person in charge and a rescue harness or wristlets must be used on the job.
 - The watcher must also know the location of the nearest telephone (with emergency numbers posted), eyewash and/or shower, fire extinguisher and oxygen inhalator. For all "hot work" inside a tank, the watcher must be instructed how to shut down the welding/burning equipment.
 - As long as anyone is inside the vessel, the watcher must remain in continuous contact with the worker. HE IS NOT TO LEAVE THE JOB SITE EXCEPT TO REPORT AN EMERGENCY. He does not enter the tank until help is available.
 - After being instructed in his responsibilities, the watcher will sign a form indicating his understanding.
- o. All welding and burning equipment must be provided with a shutoff under the control of the watcher; and the watcher must be shown how to shut off the equipment if it becomes necessary. Welding and burning equipment will only be taken into a tank immediately prior to its use and must be removed from the tank immediately after the job is finished.
- p. For all "hot work" inside a tank, a properly executed flame permit, if needed, must be displayed at the job site and standard welding and burning safety precautions will always be followed.

6.2.3 Removal of the Tank

To safely remove the tank:

- a. Disconnect all appurtenant piping.
- b. Disconnect all appurtenant pumping equipment.
- c. The tanks and piping shall be removed and disposed of at a properly permitted landfill. The final rinsate must be sampled and analyzed for volatile organic compounds to determine the cleanliness of the tank and its piping. If any volatile organic compounds are present above detection limits, the washing and rinsing must be repeated until they are no longer detectable.
- d. The dike will be cleaned and razed. It will be disposed of at a properly permitted landfill.
- e. Sample and analyze for mineral spirits and TCLP contaminants (except pesticides) beneath the tankfarm. If contamination is indicated, it will be confirmed with an extent of contamination soil study. The soil will be overexcavated or otherwise treated to eliminate the contamination. Soil samples must be collected and analyzed after cleanup to insure decontamination has been achieved.
- f. Backfill the excavation with clean fill materials and grade to ground level.

6.3 Drum Storage Area in Warehouse

The drum storage area is used for the storage of drums of used immersion cleaner and dry cleaning waste. At closure, all 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 floor and spill containment sumps will be cleaned with a detergent solution and the final rinsate will be analyzed for volatile organic compounds to determine the effectiveness of the cleaning. If any volatile organic compounds are present, the washing and rinsing must be repeated until they are no longer detectable or to levels agreed upon with the EID. If any cracks are present soil samples must be collected from beneath the cracks and analyzed for volatile organic compounds. If

contamination is present, a workplan must be developed to determine the extent of contamination and proper remedial action. Any other wastes generated in the closure process will be reclaimed or properly disposed of.

6.4 Solvent Return and Fill Station

The return and fill station is used to collect and return the used mineral spirits to the waste storage tank. Closure of the return and fill station will be made prior to the cleaning and removal of the storage tank. At closure, the sediment in the dumpsters will be removed and drummed, labeled, and manifested and then shipped to a reclaimer.

The dumpster and the dock area will be thoroughly rinsed with a detergent solution. The rinsate is discharged through the appurtenant piping system into the storage tank, which will be subjected to a separate closure procedure as described earlier. The final rinsate must be analyzed for volatile organic compounds. If any are present above detection levels, the washing and rinsing must be repeated until they are no longer detectable. The clean dumpster and dock structure will be reused by Safety-Kleen or scrapped.

6.5 Facility Closure Schedule and Certification

Safety-Kleen will notify the Environmental Improvement Division (EID) at least 45 days in advance of known closure. Closure activities will begin within 30 days of receipt of the known last volume of hazardous waste. Within 90 days of receiving the known last volume of 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 Dept. may approve a longer period if Safety-Kleen demonstrates that

the activities required to comply with this paragraph will, of 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 of 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 Dept. 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.

**REVISED
APPENDIX PAGES**

NOTE: THE FOLLOWING REVISED PART A PERMIT APPLICATION SUPERSEDES THE APPLICATION PROVIDED IN APPENDIX A OF THE PREVIOUS PART B PERMIT APPLICATION. PLEASE NOTE THAT TCLP CODES HAVE BEEN ADDED TO THE PART A; THE STATE WAS NOTIFIED OF THE APPLICABLE TCLP CODES IN A LETTER DATED SEPTEMBER 24, 1990.

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

Form Approved OMB No. 2050-0034 Expires 12-31-97
GSA No. 0246-EPA-07

For EPA Regional Use Only	 United States Environmental Protection Agency Washington, DC 20460 <h1 style="margin:0;">Hazardous Waste Permit Application</h1> <h2 style="margin:0;">Part A</h2> <p style="font-size:small; margin:0;">(Read the Instructions before starting)</p>	For State Use Only									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="3">Date Received</td> </tr> <tr> <td style="width:33%;">Month</td> <td style="width:33%;">Day</td> <td style="width:33%;">Year</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>			Date Received			Month	Day	Year			
Date Received											
Month	Day	Year									
I. ID Number(s)											
A. EPA ID Number		B. Secondary ID Number (if applicable)									
N M D 9 8 0 6 9 8 8 4 9											
II. Name of Facility											
S A F E T Y - K L E E N C O R P											
III. Facility Location (Physical address not P.O. Box or Route Number)											
A. Street											
4 2 1 0 A H A W K I N S R O A D											
Street (continued)											
City or Town		State									
F A R M I N G T O N		N M									
County Code (if known)		ZIP Code									
S A N J U A N		8 7 4 0 1 -									
B. Land Type	C. Geographic Location										
(enter code)	LATITUDE (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)									
	3 6 4 4 2 0 N	1 0 8 1 4 1 1 W									
D. Facility Existence Date											
Month Day Year											
IV. Facility Mailing Address											
Street or P.O. Box											
7 7 7 B I G T I M B E R R O A D											
City or Town		State									
E L G I N		I L									
County Code (if known)		ZIP Code									
		6 0 1 2 3 -									
V. Facility Contact (Person to be contacted regarding waste activities at facility)											
Name (last)		(first)									
W A C H S M U T H		R O B E R T									
Job Title		Phone Number (area code and number)									
R E G E N V E N G R		3 0 3 - 3 2 2 - 7 3 2 8									
VI. Facility Contact Address (See instructions)											
A. Contact Address		B. Street or P.O. Box									
Location	Mailing										
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3 3 3 Q U E B E C S T P E N T H O U S E A									
City or Town		State									
D E N V E R		C O									
County Code (if known)		ZIP Code									
		8 0 2 0 7 -									

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Form Approved OMB No. 2050-0034 Expires 12-31-91
GSA No. 074K-FPA-017

EPA I.D. Number (enter from page 1)										Secondary ID Number (enter from page 1)													
N	M	D	9	8	0	6	9	8	8	4	9												

XI. Nature of Business (provide a brief description) -

This location is primarily a local sales/service office and warehouse for Safety-Kleen products consisting of small parts, cleaning equipment, solvent and allied products such as hand cleaner, floor cleaner, parts washing brushes, etc. Safety-Kleen collects used solvents from the customer (primarily SQG & VSQG's) for temporary storage at this facility. Once a sufficient quantity of materials is collected, the materials are moved off-site in a semi trailer to a Safety-Kleen Recycling Center.

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. Twelve lines are provided for entering codes. If more lines are needed, attach a separate sheet of paper with the additional information. If a process will be used that is not included in the list of codes below, then 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 unit.
 - 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 codes.

PROCESS CODE	PROCESS	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY	UNIT OF MEASURE	UNIT OF MEASURE CODE
	<u>DISPOSAL:</u>		GALLONS	G
D79	INJECTION WELL	GALLONS; LITERS; GALLONS PER DAY; OR LITERS PER DAY	GALLONS PER HOUR	E
D80	LANDFILL	ACRE-FEET OR HECTARE-METER	GALLONS PER DAY	U
D81	LAND APPLICATION	ACRES OR HECTARES	LITERS	L
D82	OCEAN DISPOSAL	GALLONS PER DAY OR LITERS PER DAY	LITERS PER HOUR	H
D83	SURFACE IMPOUNDMENT	GALLONS OR LITERS	LITERS PER DAY	V
	<u>STORAGE:</u>		SHORT TONS PER HOUR	D
S01	CONTAINER (barrel, drum, etc.)	GALLONS OR LITERS	METRIC TONS PER HOUR	W
S02	TANK	GALLONS OR LITERS	SHORT TONS PER DAY	N
S03	WASTE PILE	CUBIC YARDS OR CUBIC METERS	METRIC TONS PER DAY	S
S04	SURFACE IMPOUNDMENT	GALLONS OR LITERS	POUNDS PER HOUR	J
	<u>TREATMENT:</u>		KILOGRAMS PER HOUR	R
T01	TANK	GALLONS PER DAY OR LITERS PER DAY	CUBIC YARDS	Y
T02	SURFACE IMPOUNDMENT	GALLONS PER DAY OR LITERS PER DAY	CUBIC METERS	C
T03	INCINERATOR	SHORT TONS PER HOUR; METRIC TONS PER HOUR; GALLONS PER HOUR; LITERS PER HOUR; OR BTU'S PER HOUR	ACRES	B
			ACRE-FEET	A
			HECTARES	O
			HECTARE-METER	F
			BTU'S PER HOUR	K
T04	OTHER TREATMENT <small>(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundment or incinerators. Describe the processes in the space provided in Item XIII.)</small>	GALLONS PER DAY; LITERS PER DAY; POUNDS PER HOUR; SHORT TONS PER HOUR; KILOGRAMS PER HOUR; METRIC TONS PER DAY; METRIC TONS PER HOUR; OR SHORT TONS PER DAY		

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EPA I.D. Number (enter from page 1)										Secondary ID Number (enter from page 1)											
N	M	D	9	8	0	6	9	8	8	4	9										

XII. Process - Codes and Design Capacities (continued)

EXAMPLE FOR COMPLETING ITEM XII (shown in line numbers X-1 and X-2 below): A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

Line Number	A. PROCESS CODE (from list above)			B. PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	FOR OFFICIAL USE ONLY					
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)							
X 1	S	0	2	600	G	0	0	2				
X 2	T	0	3	20	E	0	0	1				
1	S	0	1	2,880	G							
2	S	0	2	12,000	G							
3												
4												
5												
6												
7												
8												
9												
1 0												
1 1												
1 2												

NOTE: If you need to list more than 12 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 additional treatment processes in Item XIII.

XIII. Additional Treatment Processes (follow instructions from Item XII)

Line Number (enter numbers in sequence with Item XII)	A. PROCESS CODE			B. TREATMENT PROCESS DESIGN CAPACITY		C. PROCESS TOTAL NUMBER OF UNITS	D. DESCRIPTION OF PROCESS
				1. AMOUNT (specify)	2. UNIT OF MEASURE (enter code)		
	T	0	4				
	T	0	4				
	T	0	4				
	T	0	4				

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Form Approved OMB No. 2050-0034 Expires 12-31-91
GSA No. 0246-EPA-0T

EPA I.D. Number (enter from page 1)										Secondary ID Number (enter from page 1)													
N	M	D	9	8	0	6	9	8	8	4	9												

XIV. Description of Hazardous Wastes

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Part 261 Subpart D of each listed hazardous waste you will handle. For hazardous wastes which are not listed in 40 CFR, Part 261 Subpart D, enter the four-digit number(s) from 40 CFR, Part 261 Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

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

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous waste: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item XII A. on page 3 to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that processes that characteristic or toxic contaminant.

NOTE: THREE SPACES ARE PROVIDED FOR ENTERING PROCESS CODES. IF MORE ARE NEEDED:

1. Enter the first two as described above.
2. Enter "000" in the extreme right box of Item XIV-D(1).
3. Enter in the space provided on page 7, Item XIV-E, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form (D.(2)).

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

1. Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
2. In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "Included with above" and make no other entries on that line.
3. Repeat step 2 for each EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM XIV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

Line Number	A. EPA HAZARD WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESS															
	(1) PROCESS CODES (enter)						(2) PROCESS DESCRIPTION (if a code is not entered in D(1))															
X	1	K	0	5	4	900	P	T	0	J	D	8	0									
X	2	D	0	0	2	400	P	T	0	J	D	8	0									
X	3	D	0	0	1	100	P	T	0	J	D	8	0									
X	4	D	0	0	2																	Included With Above

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EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

N M D 9 8 0 6 9 8 8 4 9

XIV. Description of Hazardous Wastes (continued)

D. PROCESSES

Line Number	A. EPA HAZARDOUS WASTE NO. (enter code)				B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES						(2) PROCESS DESCRIPTION (if a code is not entered in D(1))
	(1) PROCESS CODES (enter)												
1	D	0	0	1	155	T	S	0	1	S	0	2	Spent Mineral Spirits and Bottom Sediment from Tank
2	D	0	0	4	*								"
3	D	0	0	5	"								"
4	D	0	0	6	"								"
5	D	0	0	7	"								"
6	D	0	0	8	"								"
7	D	0	0	9	"								"
8	D	0	1	0	"								"
9	D	0	1	1	"								"
10	D	0	1	8	"								"
11	D	0	1	9	"								"
12	D	0	2	1	"								"
13	D	0	2	2	"								"
14	D	0	2	3	"								"
15	D	0	2	4	"								"
16	D	0	2	5	"								"
17	D	0	2	6	"								"
18	D	0	2	7	"								"
19	D	0	2	8	"								"
20	D	0	2	9	"								"
21	D	0	3	0	"								"
22	D	0	3	2	"								"
23	D	0	3	3	"								"
24	D	0	3	4	"								"
25	D	0	3	5	"								"
26	D	0	3	6	"								"
27	D	0	3	7	"								"
28	D	0	3	8	"								"
29	D	0	3	9	"								"
30	D	0	4	0	"								"
31	D	0	4	1	"								"
32	D	0	4	2	"								"
33	D	0	4	3	"								"

* Included with above

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EPA I.D. Number (enter from page 1)

Secondary ID Number (enter from page 1)

N M D 9 8 0 6 9 8 8 4 9

XIV. 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)	(2) PROCESS DESCRIPTION (If a code is not entered in D(1))
1	F 0 0 2	13	T	S 0 1	Spent Immersion Cleaner;
2	F 0 0 4	*			Old and New Formulas
3	D 0 0 4	"			"
4	D 0 0 5	"			"
5	D 0 0 6	"			"
6	D 0 0 7	"			"
7	D 0 0 8	"			"
8	D 0 0 9	"			"
9	D 0 1 0	"			"
10	D 0 1 1	"			"
11	D 0 1 8	"			"
12	D 0 1 9	"			"
13	D 0 2 1	"			"
14	D 0 2 2	"			"
15	D 0 2 3	"			"
16	D 0 2 4	"			"
17	D 0 2 5	"			"
18	D 0 2 6	"			"
19	D 0 2 7	"			"
20	D 0 2 8	"			"
21	D 0 2 9	"			"
22	D 0 3 0	"			"
23	D 0 3 2	"			"
24	D 0 3 3	"			"
25	D 0 3 4	"			"
26	D 0 3 5	"			"
27	D 0 3 6	"			"
28	D 0 3 7	"			"
29	D 0 3 8	"			"
30	D 0 3 9	"			"
31	D 0 4 0	"			"
32	D 0 4 1	"			"
33	D 0 4 2	"			"

D 0 4 3 "

* Included with above

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EPA I.D. Number (enter from page 1)	Secondary ID Number (enter from page 1)
N M D 9 8 0 6 9 8 8 4 9	

XIV. Description of Hazardous Wastes (continued)

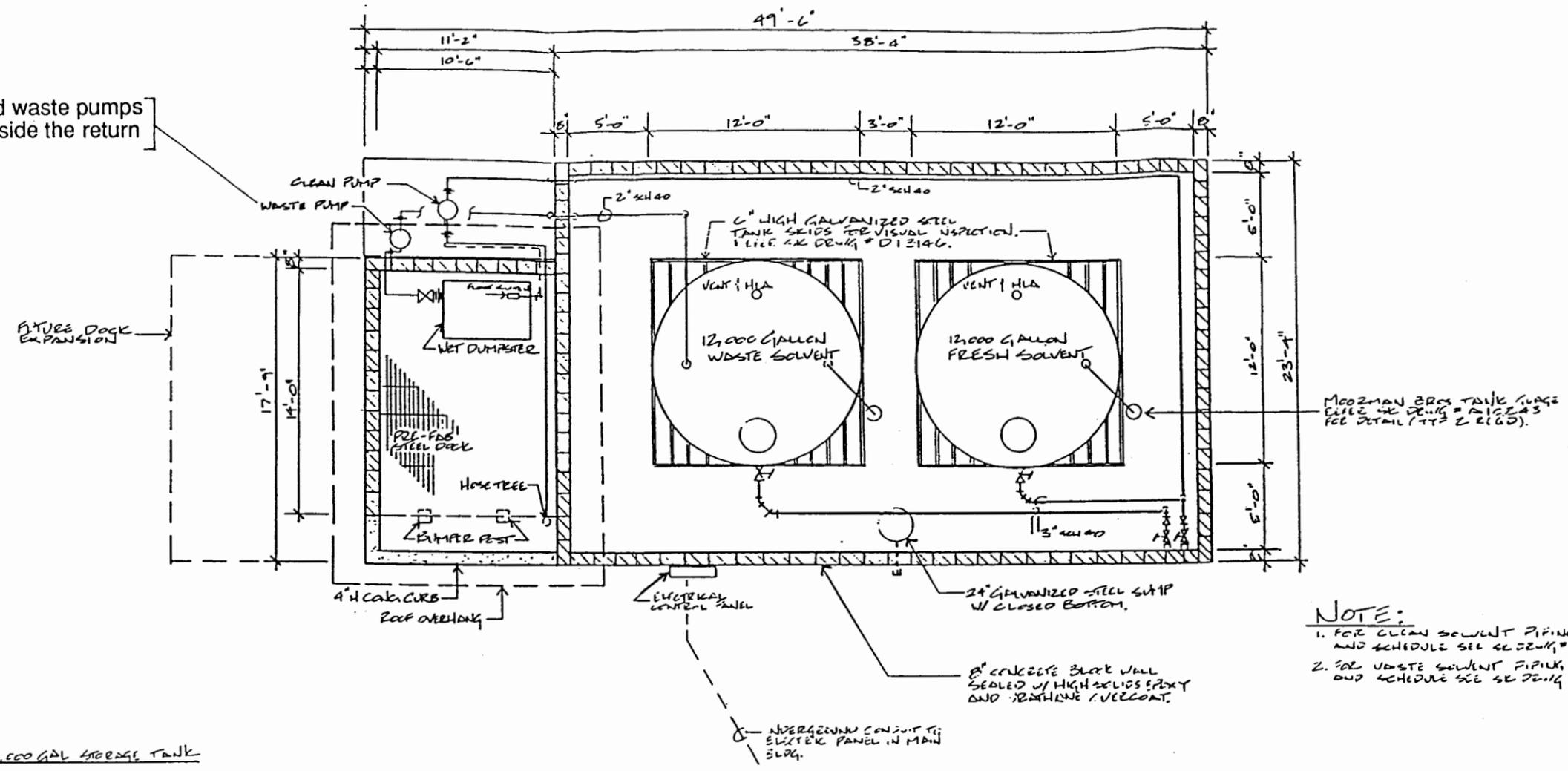
Line Number	A. EPA HAZARDOUS WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				(1) PROCESS CODES (enter)	(2) PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F 0 0 2	28	T	S 0 1	Dry Cleaning Waste
2	D 0 0 4	*			"
3	D 0 0 5	"			"
4	D 0 0 6	"			"
5	D 0 0 7	"			"
6	D 0 0 8	"			"
7	D 0 0 9	"			"
8	D 0 1 0	"			"
9	D 0 1 1	"			"
10	D 0 1 8	"			"
11	D 0 1 9	"			"
12	D 0 2 1	"			"
13	D 0 2 2	"			"
14	D 0 2 3	"			"
15	D 0 2 4	"			"
16	D 0 2 5	"			"
17	D 0 2 6	"			"
18	D 0 2 7	"			"
19	D 0 2 8	"			"
20	D 0 2 9	"			"
21	D 0 3 0	"			"
22	D 0 3 2	"			"
23	D 0 3 3	"			"
24	D 0 3 4	"			"
25	D 0 3 5	"			"
26	D 0 3 6	"			"
27	D 0 3 7	"			"
28	D 0 3 8	"			"
29	D 0 3 9	"			"
30	D 0 4 0	"			"
31	D 0 4 1	"			"
32	D 0 4 2	"			"
33	D 0 4 3	"			"

* Included with above

NOTE: PLEASE REPLACE THE TANK FARM PLAN (DWG. D13713) IN APPENDIX C OF THE PREVIOUS PERMIT APPLICATION WITH THE FOLLOWING REVISED DRAWING.



Note: The clean and waste pumps are located inside the return and fill dock



NOTE:
 1. FOR CLEAN SOLVENT PIPING DIAGRAM AND SCHEDULE SEE DRAWING # D11123.
 2. SEE WASTE SOLVENT PIPING DIAGRAM AND SCHEDULE SEE DRAWING # D11124.

DIKE VOLUME CALCULATION: 12,000 GAL STORAGE TANK

FORM: LINE USED:

$\pi r^2 H (7.48 \text{ GAL/ft}^3) = \text{TANK DISPLACEMENT VOLUME}$
 $LWH (7.48 \text{ GAL/ft}^3) = \text{DIKE VOLUME}$

- r (TANK RADIUS) = 6'-0"
- L (DIKE LENGTH) = 37'-0"
- W (DIKE WIDTH) = 22'-0"
- H (DIKE HEIGHT) = 3'-0"

DIKE VOLUME: $(37'-0") (22'-0") (3'-0") (7.48 \text{ GAL/ft}^3)$:	18,266 GAL
VOLUME OF LARGEST TANK WITHIN THE DIKE AREA :	- 12,000 GAL
TANK DISPLACEMENT VOLUME: $\pi (6'-0")^2 (2'-6") (7.48 \text{ GAL/ft}^3)$:	- 2,115 GAL
NOTE: TANK DISPLACEMENT ADJUSTED FOR TANK SLOPE.	
25 YEAR RAIN 24 HOUR PERIOD: 4.5" x DIKE AREA :	- 2,283 GAL
10% SAFETY FACTOR :	- 1,200 GAL
TOTAL EXCESS	668 GAL

TANK FARM PLAN
 SCALE = 1/8" = 1'-0"

- LEGEND:**
- ① - TELEPHONE
 - ② - FIRE EXTINGUISHER (TYPICAL 5" ABC CU)
 - ③ - FIRST AID STATION
 - ④ - "DANGER" SIGN
 - ⑤ - "NO SMOKING" SIGN
 - ⑥ - "CORROSIVE" SIGN
- NEW ——— EXISTING ———

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.

Source: Safety-Kleen Dwg. D13713



Harding Lawson Associates
 Engineering and Environmental Services

Tank Farm Plan
 Farmington Service Center
 Farmington, New Mexico

PLATE

DRAWN NJB	JOB NUMBER 11934 037	APPROVED	DATE 6/92	REVISED DATE
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NOTE: PLEASE INSERT THE FOLLOWING AT THE BACK OF APPENDIX D (ANALYTICAL DATA) OF THE PERMIT APPLICATION DATED OCTOBER 1990. THIS INFORMATION INCLUDES THE MOST RECENT TCLP DATA FOR THE SERVICE CENTER'S WASTE STREAMS.

T

E

**TCLP
ANALYSIS OF SPENT MINERAL SPIRITS**

A

R

D

Parts Washer Solvent Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH3Cl	CH3Br	C2H3Cl	C2H5Cl	CH2Cl2	acetone	CS2	1,1-DCE	1,1-DCA	1,2-DCE	CHCl3	
LAB SITE												
M CL	< 100	< 100	< 100	< 100	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	
W DE	< 120	< 120	< 120	< 120	< 60	< 1200	< 60	< 60	< 60	< 60	< 60	
W EL	< 120	< 120	< 120	< 120	< 62	< 1200	< 62	< 62	< 62	< 62	< 62	
W HE	< 120	< 120	< 120	< 120	69	< 1200	< 62	< 62	< 62	< 62	< 62	
M LE	< 100	< 100	< 100	< 100	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	
M MA	< 250	< 250	< 250	< 250	120	< 2500	< 120	< 120	< 120	< 120	< 120	
C RE	< 600	< 600	< 600	< 600	< 300	< 6000	< 300	< 300	< 300	< 300	< 300	

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCl4	v-acetate	CHBrCl2	1,2-DCEPA	1,3-DCIPE	TCE	CHBr2Cl	1,1,2-TCA	
LAB SITE												
M CL	< 50	< 1000	< 50	< 50	< 500	< 50	< 50	< 50	410	< 50	< 50	
W DE	< 60	< 1200	380	< 60	< 600	< 60	< 60	< 60	< 60	< 60	< 60	
W EL	< 62	< 1200	750	< 62	< 620	< 62	< 62	< 62	< 62	< 62	< 62	
W HE	< 62	< 1200	480	< 62	< 620	< 62	< 62	< 62	< 62	< 62	< 62	
M LE	< 50	< 1000	300	< 50	< 500	< 50	< 50	< 50	61	< 50	< 50	
M MA	< 120	< 2500	< 120	< 120	< 1200	< 120	< 120	< 120	< 120	< 120	< 120	
C RE	< 300	< 6000	2300	< 300	< 3000	< 300	< 300	< 300	< 300	< 300	< 300	

Parameter	benzene	2-CVE	1,3-DCPE	CHBr3	Mo-2-pon	2-hex'one	PCE	1,1,2,2PCA	toluene	Cl-benz	eth-benz	
LAB SITE												
M CL	< 50	< 100	< 50	< 50	< 500	< 500	96	< 50	180	< 50	67	
W DE	< 60	< 120	< 60	< 60	< 600	< 600	720	< 60	480	< 60	320	
W EL	< 62	< 120	< 62	< 62	< 620	< 620	930	< 62	540	< 62	310	
W HE	< 62	< 120	< 62	< 62	< 620	< 620	1900	< 62	340	< 62	390	
M LE	< 50	< 100	< 50	< 50	< 500	< 500	140	< 50	290	< 50	150	
M MA	< 120	< 250	< 120	< 120	< 1200	< 1200	< 120	< 120	420	< 120	140	
C RE	< 300	< 600	< 300	< 300	< 3000	< 3000	1500	< 300	1500	< 300	580	

Parts Washer Solvent Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter		styrene	xylenes	1,2-DCIB	1,3-DCIB	1,4-DCIB
<hr/>						
LAB SITE						
M	CL	< 50	660	< 100	< 100	< 100
W	DE	< 60	4100	790	290	< 60
W	EL	< 62	2500	< 62	< 62	< 62
W	HE	90	3400	340	< 62	90
M	LE	< 50	1300	140	< 100	< 100
M	MA	< 120	920	< 250	< 250	< 250
C	RE	17000	3900	1900	380	1500

**Parts Washer Solvent Wastes
TCLP Organics And EPA 8240/8270 Analyses, ppm**

Parameter			cresol	2,4-DNT	Cl6-benz	Cl6-13-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 ANALYSIS										na		
M	CL	TCLP	9	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
M	CL	8240/8270	< 1	< 1	< 1	< 1	< 1	< 1	< 5	na	< 1	< 1
W	DE	TCLP	3	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
W	DE	8240/8270	280	< 100	< 100	< 100	< 100	< 100	< 500	na	< 100	< 100
W	EL	TCLP	6.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0
W	EL	8240/8270	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 6200	na	< 1200	< 1200
W	HE	TCLP	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.6	< 1.6	< 0.33	< 0.33
W	HE	8240/8270	< 1200	< 1200	< 1200	< 1200	< 1200	< 1200	< 6200	na	< 1200	< 1200
M	LE	TCLP	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
M	LE	8240/8270	< 50	< 50	< 50	< 50	< 50	< 50	< 250	na	< 50	< 50
M	MA	TCLP	< 0.67	4.4	< 0.67	< 0.67	< 0.67	< 0.67	< 3.3	< 3.3	< 0.67	< 0.67
M	MA	8240/8270	< 100	< 100	< 100	< 100	< 100	< 100	< 500	na	< 100	< 100
C	RE	TCLP	0.21	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
C	RE	8240/8270	< 100	< 100	< 100	< 100	< 100	< 100	< 500	na	< 100	< 100

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 ANALYSIS													
M	CL	TCLP	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	0.61	< 0.10	< 0.20
M	CL	8240/8270	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 1000	96	410	< 100
W	DE	TCLP	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	0.16	< 0.10	< 0.20
W	DE	8240/8270	< 60	< 60	< 60	< 60	< 60	< 60	< 60	< 1200	720	< 60	< 120
W	EL	TCLP	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.9	2.8	< 0.10	< 0.20
W	EL	8240/8270	< 62	< 62	< 62	< 62	< 62	< 62	< 62	< 1200	930	< 62	< 120
W	HE	TCLP	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	< 0.10	0.49	< 0.20
W	HE	8240/8270	< 62	< 62	< 62	< 62	90	< 62	< 62	< 1200	1900	< 62	< 120
M	LE	TCLP	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	0.58	< 0.10	< 0.20
M	LE	8240/8270	< 50	< 50	< 50	< 50	< 100	< 50	< 50	< 1000	140	61	< 100
M	MA	TCLP	0.15	< 0.10	< 0.10	0.41	< 0.20	< 0.10	< 0.10	< 2.0	0.15	< 0.10	< 0.20
M	MA	8240/8270	< 120	< 120	< 120	< 120	< 250	< 120	< 120	< 2500	< 120	< 120	< 250
C	RE	TCLP	0.12	< 0.05	< 0.05	< 0.05	0.38	< 0.05	< 0.05	1.3	0.27	< 0.05	< 0.1
C	RE	8240/8270	< 300	< 300	< 300	< 300	1500	< 300	< 300	< 6000	1500	< 300	< 600

REVISED: JUNE 30, 1992

Parts Washer Solvent Wastes

Physical Properties and TCLP Analysis, ppm

<i>Parameter</i>	<i>Reg. Limit</i>	<i># Samp</i>	<i>Avg</i>	<i>Min</i>	<i>Max</i>
pH	<2 or >10	7	6.6	5.5	8.0
SG	na	7	0.79	0.78	0.80
FP	< 100	7	112	78	151
As	5	7	0.00	0.00	0.00
Ba	100	7	0.47	0.00	1.20
Cd	1	7	0.05	0.00	0.07
Cr	5	7	0.00	0.00	0.02
Pb	5	7	0.90	0.47	1.60
Hg	0.2	7	0.00	0.00	0.00
Se	1	7	0.00	0.00	0.00
Ag	5	7	0.00	0.00	0.00
cresol	200	7	2.70	0.00	9.00
2.4-DNT	0.13	7	0.63	0.00	4.40
Cl6-benz	0.13	7	0.00	0.00	0.00
Cl6-13-but	0.5	7	0.00	0.00	0.00
Cl6-eth	3	7	0.00	0.00	0.00
nitrobenz	2	7	0.00	0.00	0.00
Cl5-phenol	100	7	0.00	0.00	0.00
pyridine	5	7	0.00	0.00	0.00
2.4.5-TCP	400	7	0.00	0.00	0.00
2.4.6-TCP	2	7	0.00	0.00	0.00
benzene	0.5	7	0.04	0.00	0.15
CCl4	0.5	7	0.00	0.00	0.00
Clbenz	100	7	0.00	0.00	0.00
CHCl3	6	7	0.06	0.00	0.41
1.4-DCIB	7.5	7	0.05	0.00	0.38
1.2-DCA	0.5	7	0.00	0.00	0.00
1.1-DCE	0.7	7	0.00	0.00	0.00
MEK	200	7	0.74	0.00	3.90
PCE	0.7	7	0.65	0.00	2.80
TCE	0.5	7	0.07	0.00	0.49
VChloride	0.2	7	0.00	0.00	0.00

Less than values are treated as zeros in the statistical analysis
 Greater than values are treated as the value in the statistical analysis

Parts Washer Solvent Wastes

Physical Properties and TCLP Metals Analysis, ppm

Parameter		pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Reg. Limit		<2 or >10	na	< 100	5	100	1	5	5	0.2	1	5
LAB SITE												
M	CL	6.5	0.79	125	< 0.5	0.51	0.041	< 0.01	0.47	< 0.001	< 0.2	< 0.01
W	DE	6.6	0.799	110	< 0.05	0.6	< 0.05	< 0.05	1.3	< 0.01	< 0.05	< 0.05
W	EL	7	0.777	151	< 0.05	0.6	0.06	< 0.05	0.5	< 0.01	< 0.05	< 0.05
W	HE	6.5	0.775	95	< 0.05	1.2	0.07	< 0.05	1.2	< 0.01	< 0.05	< 0.05
M	LE	6	0.78	115	< 0.5	0.27	0.055	< 0.01	0.74	0.002	< 0.2	< 0.01
M	MA	6.5	0.8	110	< 0.5	< 1.0	0.059	0.017	1.6	0.0018	< 0.2	< 0.01
C	RE	8	0.79	78	< 1	0.09	0.05	< 0.02	0.5	< 0.002	< 1	< 0.05

TCLP Semi Volatiles Analysis, ppm

Parameter		cresol	2,4-DNT	Cl6-benz	Cl6-13-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											
M	CL	9	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
W	DE	3	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
W	EL	6.7	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0
W	HE	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.6	< 1.6	< 0.33	< 0.33
M	LE	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
M	MA	< 0.67	4.4	< 0.67	< 0.67	< 0.67	< 0.67	< 3.3	< 3.3	< 0.67	< 0.67
C	RE	0.21	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033

TCLP Volatiles Analysis, ppm

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												
M	CL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	0.61	< 0.10	< 0.20
W	DE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	0.16	< 0.10	< 0.20
W	EL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	3.9	2.8	< 0.10	< 0.20
W	HE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	< 0.10	0.49	< 0.20
M	LE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	0.58	< 0.10	< 0.20
M	MA	0.15	< 0.10	< 0.10	0.41	< 0.20	< 0.10	< 0.10	< 2.0	0.15	< 0.10	< 0.20
C	RE	0.12	< 0.05	< 0.05	< 0.05	0.38	< 0.05	< 0.05	1.3	0.27	< 0.05	< 0.1

**TCLP
ANALYSES OF IMMERSION CLEANER
-NEW FORMULA**

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NEW IMMERSION CLEANER FORMULA
TCLP ANALYSES

TEI ANALYTICAL, INC.

7177 NORTH AUSTIN • NILES, ILLINOIS • 60648 • 708/647-1345

August 7, 1990.

LABORATORY REPORT

5075

CORRECTED REPORT

Page 1 of 2 pages

Safety-Kleen Corporation
O'Hare Technical Center
P.O. Box 29050
Eik Grove Village, IL 60007

P.O. # 76856

Attn: John Dingess/Dennis Brinkman

SAMPLE
RECEIVED: 05-30-90 1200

TEI NO. 74777

SAMPLE IDENTIFICATION: 188-31-1

<u>TEST</u>	<u>RESULT</u>	<u>DATE PERFORMED</u>
TCLP		06-05-90
Arsenic	LT 1 mg/l	06-07-90
Barium	3 mg/l	06-21-90
Cadmium	10 mg/l	06-21-90
Chromium	3 mg/l	06-21-90
Lead	42 mg/l	06-21-90
Mercury	LT 0.05 mg/l	06-12-90
Selenium	LT 1 mg/l	06-12-90
Silver	3 mg/l	06-21-90
Volatiles	See attached	06-12-90
Acid Extractables	See attached	06-13-90
Base Neutrals	See attached	06-13-90

LT = Less Than

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Gayle E. Marks

Gayle E. Marks, Ph.D.



TEI ANALYTICAL, INC.

7177 NORTH AUSTIN - NILES, ILLINOIS - 60648 - 708/647-1345

NEW IMMERSION CLEANER FORMULA
TCLP ANALYSES

August 7, 1990

LABORATORY REPORT
CORRECTED REPORT

5075
Page 2 of 2 pages

Safetv-Kleen Corporation

TCLP Volatiles, Base/Neutrals, Acid Extractables

All results expressed as ppm unless otherwise indicated.

LT = Less Than

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TEI-74777
188-31-1

Benzene	LT 1
Carbon Tetrachloride	LT 1
Chlorobenzene	220
Chloroform	LT 1
o Cresol	LT 50
m Cresol	LT 50
p Cresol	LT 50
Cresol	LT 50
1,4 Dichlorobenzene	1500.
1,2 Dichloroethane	LT 1
1,1 Dichloroethylene	LT 1
2,4 Dinitrotolene	LT 10
Hexachlorobenzene	LT 0.1
Hexachlorobutadiene	LT 10
Hexachloroethane	LT 10
Methyl Ethyl Ketone	LT 10
Nitrobenzene	LT 10
Pentachlorophenol	LT 10
Pyridine	LT 10
Tetrachloroethylene	320
Trichloroethylene	1.5
2,4,5 Trichlorophenol	LT 10
2,4,6 Trichlorophenol	LT 10
Vinyl Chloride	LT 1

Gayle E. Marks

Gayle E. Marks, Ph.D.

**TCLP
ANALYSES OF SPENT IMMERSION CLEANER
-OLD FORMULA**

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Immersion Cleaner Wastes

Physical Properties and TCLP Analysis, ppm

<i>Parameter</i>	<i>Reg. Limit</i>	<i># Samp</i>	<i>Avg</i>	<i>Min</i>	<i>Max</i>
pH	<2 or >10	4	9.3	8.0	10.2
SG	na	4	1.05	0.93	1.20
FP	< 100	4	125	85	185
As	5	4	0.00	0.00	0.00
Ba	100	4	0.29	0.00	0.70
Cd	1	4	0.91	0.32	2.30
Cr	5	4	0.28	0.06	0.51
Pb	5	4	3.60	0.20	11.00
Hg	0.2	4	0.00	0.00	0.00
Se	1	4	0.00	0.00	0.00
Ag	5	4	0.00	0.00	0.00
cresol	200	3	400.00	0.00	1200.00
2.4-DNT	0.13	3	0.00	0.00	0.00
Cl6-benz	0.13	3	0.00	0.00	0.00
Cl6-13-but	0.5	3	0.00	0.00	0.00
Cl6-eth	3	3	0.00	0.00	0.00
nitrobenz	2	3	0.00	0.00	0.00
Cl5-phenol	100	3	0.00	0.00	0.00
pyridine	5	3	0.00	0.00	0.00
2.4.5-TCP	400	3	0.00	0.00	0.00
2.4.6-TCP	2	3	0.00	0.00	0.00
benzene	0.5	4	0.04	0.00	0.16
CCl4	0.5	4	0.63	0.00	2.50
Clbenz	100	4	4.39	0.00	13.00
CHCl3	6	4	0.14	0.00	0.56
1.4-DCIB	7.5	4	13.75	1.60	32.00
1.2-DCA	0.5	4	1.43	0.00	3.60
1.1-DCE	0.7	4	0.03	0.00	0.11
MEK	200	4	4.85	0.00	15.00
PCE	0.7	4	1.97	0.00	4.40
TCE	0.5	4	1.38	0.00	4.40
VChloride	0.2	4	0.00	0.00	0.00

Less than values are treated as zeros in the statistical analysis

Greater than values are treated as the value in the statistical analysis

Immersion Cleaner Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH ₃ Cl	CH ₃ Br	C ₂ H ₃ Cl	C ₂ H ₅ Cl	CH ₂ Cl ₂	acetone	CS ₂	1,1-DCE	1,1-DCA	1,2-DCE	CHCl ₃
LAB SITE											
M CL	< 5000	< 5000	< 5000	< 5000	350000	< 50000	< 2500	< 2500	< 2500	< 2500	2700
W DE	< 8400	< 8400	< 8400	< 8400	162000	< 84000	< 4200	< 4200	< 4200	< 4200	< 4200
W EL	< 1100	< 1100	< 1100	< 1100	< 530	< 11000	< 530	< 530	< 530	< 530	< 530
C RE	< 120	< 120	< 120	< 120	2200	< 1200	< 60	< 60	< 60	< 60	< 60

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCl ₄	v-acetate	CHBrCl ₂	1,2-DCPA	1,3-DCPE	TCE	CHBr ₂ Cl	1,1,2-TCA
LAB SITE											
M CL	< 2500	< 50000	< 2500	< 2500	< 25000	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500
W DE	< 4200	< 84000	< 4200	< 4200	< 42000	< 4200	< 4200	< 4200	< 4200	< 4200	< 4200
W EL	< 530	< 11000	< 530	< 530	< 5300	< 530	< 530	< 530	< 530	< 530	< 530
C RE	< 60	< 1200	< 60	< 60	< 600	< 60	< 60	< 60	< 60	< 60	< 60

Parameter	benzene	2-CVE	1,3-DCPE	CHBr ₃	Me-2-pen	2-hex'one	PCE	1,1,2,2-PCA	toluene	Cl-benz	eth-benz
LAB SITE											
M CL	< 2500	< 5000	< 2500	< 2500	< 25000	< 25000	3600	< 2500	< 2500	5800	< 2500
W DE	< 4200	< 8400	< 4200	< 4200	< 42000	< 42000	< 4200	< 4200	< 4200	63000	< 4200
W EL	< 530	< 1100	< 530	< 530	< 5300	< 5300	< 530	< 530	< 530	< 530	< 530
C RE	< 60	< 120	< 60	< 60	< 600	< 600	480	< 60	190	< 60	89

Parameter	styrene	xylenes	1,2-DCIB	1,3-DCIB	1,4-DCIB
LAB SITE					
M CL	< 2500	< 2500	< 5000	12000	24000
W DE	< 4200	< 4200	161000	21000	43000
W EL	< 530	< 530	2000	< 530	600
C RE	210	590	590	170	270

Immersion Cleaner Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	phenol	b-2Cl-ethr	2Cl-phenol	1,3-DCIB	1,4-DCIB	benzyl'ol	1,2-DCIB	2Me-pheno	b-2Cl-IPE	4Me-pheno	N-nitroso	
LAB SITE												
M	CL	55	< 10	< 10	26	58	< 20	180	49	< 10	32	< 10
W	DE	3800	< 1000	< 1000	< 1000	< 1000	< 1000	1600	1400	< 1000	1900	< 1000
W	EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 2100	1200	< 1100	< 1100	< 1100	< 1100
C	RE	< 100	< 100	< 100	100	330	180	< 100	< 100	< 100	< 100	< 100

Parameter	C2Cl6	nitrobenz	Isophorone	2nitroph'ol	2,4Meph'ol	benz acid	b-2Clotrox	2,4-dClph	1,2,4-TCIB	Naph'ene	4-Claniline
LAB SITE											
M	CL	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 20
W	DE	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000
W	EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	34000
C	RE	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	35000

Parameter	C16butadien	4Cl3Mephnl	2-Menaph	C16cycpent	2,4,6Clph	2,4,5Clph	2-Cinaph	2-nitroanil	Me2phthal	acenaphthy	2,6-DNT
LAB SITE											
M	CL	< 10	< 20	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 10
W	DE	< 1000	< 1000	< 1000	< 1000	< 1000	< 5000	< 1000	< 5000	< 1000	< 1000
W	EL	< 1100	< 2100	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100
C	RE	< 100	< 100	1300	< 100	< 100	< 500	< 100	< 500	< 100	< 100

Parameter	3-nitroanil	acenaphthe	2,4-dnitrope	4nitrophenol	dibonluran	2,4-DNT	delphthal	4Clphenphe	fluorene	4-nitroanil	4,6dn2Mep
LAB SITE											
M	CL	< 50	< 10	< 50	< 50	< 10	< 10	< 10	< 10	< 50	< 50
W	DE	< 5000	< 1000	< 5000	< 5000	< 1000	< 1000	< 1000	< 1000	< 5000	< 5000
W	EL	< 5300	< 1100	< 5300	< 5300	< 1100	< 1100	< 1100	< 1100	< 5300	< 5300
C	RE	< 500	< 100	< 500	< 500	< 100	< 100	< 100	< 100	< 500	< 500

Immersion Cleaner Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	N-nitroso	4Brphenph	Cl6benzene	Cl5phenol	phenanthre	anthracene	d-n-butphl	fluoranthen	pyrene	butbenphlh	3,3'Cl2benz	
LAB SITE												
M CL	< 10	< 10	< 10	< 50	< 10	< 10	< 10	< 10	< 10	< 10	< 20	
W DE	< 1000	< 1000	< 1000	< 5000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 2000	
W EL	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 2100	
C RE	< 100	< 100	< 100	< 500	< 100	< 100	< 100	< 100	< 100	< 100	< 200	

Parameter	ben[a]anthr	chrysene	b2athhexph	d-n-ocphl	ben[b]fluor	ben[k]fluor	ben[a]pyren	Ind[123-cd]	ben[a,h]an	ben[ghi]per
LAB SITE										
M CL	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10
W DE	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000	< 1000
W EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100
C RE	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100

Immersion Cleaner Wastes

Physical Properties and TCLP Metals Analysis, ppm

Parameter		pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Reg. Limit		<2 or >10	na	< 100	5	100	1	5	5	0.2	1	5
LAB SITE												
M	CL	8	1.2	95	< 0.5	0.44	2.3	0.51	11	0.001	< 0.2	< 0.01
W	DE	9	1.11	85	< 0.05	0.7	0.4	0.48	2	< 0.01	< 0.05	< 0.05
W	EL	10	0.945	185	< 0.05	< 0.3	0.32	0.06	1.2	< 0.01	< 0.05	< 0.05
C	RE	10.2	0.93	135	< 1	< 0.02	0.64	0.07	0.2	< 0.002	< 1	< 0.5

TCLP Semi Volatiles Analysis, ppm

Parameter		cresol	2,4-DNT	Cl6-benz	Cl6-13-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											
M	CL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 5.0	< 1.0	< 1.0
W	DE	1200	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 1.7	< 0.33	< 0.33
W	EL	matrix	matrix	matrix	matrix	matrix	matrix	matrix	matrix	matrix	matrix
C	RE	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 1.7	< 0.33	< 0.33

TCLP Volatiles Analysis, ppm

Parameter		benzene	CCl4	Clbenz	CHCl3	1,4-DCIB	1,2-DCA	1,1-DCE	MEK	PCE	TCE	VChlorde
Reg. Limit		0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB SITE												
M	CL	0.16	2.5	> 4.4	0.56	> 4.4	3.6	< 0.10	> 4.4	> 4.4	> 4.4	< 0.20
W	DE	< 0.10	< 0.10	13	< 0.10	17	2.1	0.11	15	0.68	1.1	< 0.20
W	EL	< 5	< 5	< 5	< 5	32	< 5	< 5	< 100	< 5	< 5	< 10
C	RE	< 0.05	< 0.05	0.14	< 0.05	1.6	< 0.05	< 0.05	< 1	2.8	< 0.05	< 0.1

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**TCLP
ANALYSES OF DRY CLEANER
STILL BOTTOMS**

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Dumpster Mud Wastes

Physical Properties and TCLP Analysis, ppm

<i>Parameter</i>	<i>Reg. Limit</i>	<i># Samp</i>	<i>Avg</i>	<i>Min</i>	<i>Max</i>
pH	<2 or >10	6	7.8	6.5	10.0
SG	na	1	1.2	1.2	1.2
FP	< 100	6	107	80	160
As	5	6	0	0	0
Ba	100	6	0.65	0.28	1.00
Cd	1	6	1.46	0.80	2.80
Cr	5	6	0.04	0.00	0.16
Pb	5	6	98.03	1.30	570.00
Hg	0.2	6	0.00	0.00	0.00
Se	1	6	0.00	0.00	0.00
Ag	5	6	0.00	0.00	0.00
cresol	200	6	22.31	0.00	96.00
2.4-DNT	0.13	6	0.00	0.00	0.00
Cl6-benz	0.13	6	0.00	0.00	0.00
Cl6-13-but	0.5	6	0.00	0.00	0.00
Cl6-eth	3	6	0.00	0.00	0.00
nitrobenz	2	6	0.00	0.00	0.00
Cl5-phenol	100	6	0.00	0.00	0.00
pyridine	5	6	0.00	0.00	0.00
2.4.5-TCP	400	6	0.00	0.00	0.00
2.4.6-TCP	2	6	0.00	0.00	0.00
benzene	0.5	6	0.12	0.00	0.52
CCl4	0.5	6	0.03	0.00	0.17
Clbenz	100	6	0.72	0.00	4.30
CHCl3	6	6	0.00	0.00	0.00
1.4-DCIB	7.5	6	0.82	0.00	4.40
1.2-DCA	0.5	6	0.00	0.00	0.00
1.1-DCE	0.7	6	0.00	0.00	0.00
MEK	200	6	2.50	0.00	15.00
PCE	0.7	6	0.92	0.00	3.60
TCE	0.5	6	0.10	0.00	0.45
VChloride	0.2	6	0.00	0.00	0.00

Less than values are treated as zeros in the statistical analysis

Greater than values are treated as the value in the statistical analysis

Dumpster Mud Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH3Cl	CH3Br	C2H3Cl	C2H5Cl	CH2Cl2	acetone	CS2	1,1-DCE	1,1-DCA	1,2-DCE	CHCl3	
LAB SITE												
M CL	< 100	< 100	< 100	< 100	< 50	< 1000	< 50	< 50	< 50	< 50	< 50	29
W DE	< 10	< 10	< 10	< 10	< 5.0	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W EL	< 110	< 110	< 110	< 110	< 55	< 1100	< 55	< 55	< 55	< 55	< 55	< 55
M LE	< 330	< 330	< 330	< 330	610	< 3300	< 170	< 170	< 170	< 170	< 170	< 170
C RE	< 1000	< 1000	< 1000	< 1000	< 500	< 10000	< 500	< 500	< 500	< 500	< 500	< 500

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCl4	v-acetate	CHBrCl2	1,2-DCPA	1,3-DCPE	TCE	CHBr2Cl	1,1,2-TCA
LAB SITE											
M CL	< 50	< 1000	48	< 50	< 500	< 50	< 50	< 50	< 50	< 50	< 50
W DE	< 5.0	< 100	11	< 5.0	< 50	< 5.0	< 5.0	< 5.0	6.4	< 5.0	< 5.0
W EL	< 55	< 1100	750	< 55	< 550	< 55	< 55	< 55	< 55	< 55	< 55
M LE	< 170	< 3300	1500	< 170	< 1700	< 170	< 170	< 170	< 170	< 170	< 170
C RE	< 500	< 10000	2300	< 500	< 2500	< 500	< 500	< 500	< 500	< 500	< 500

Parameter	benzene	2-CVE	1,3-DCPE	CHBr3	Me-2-pon	2-hex'one	PCE	1,1,2,2PCA	toluene	Cl-benz	eth-benz
LAB SITE											
M CL	< 50	< 100	< 50	< 50	< 500	< 500	230	< 50	440	< 50	150
W DE	52	< 100	< 5.0	< 5.0	< 50	< 50	84	< 5.0	550	< 5.0	270
W EL	< 55	< 1100	< 55	< 55	< 550	< 550	740	< 55	500	430	1700
M LE	< 170	< 330	< 170	< 170	< 1700	< 1700	260	< 170	530	< 170	200
C RE	< 500	< 1000	< 500	< 500	< 5000	< 5000	1000	< 500	4600	< 500	1800

Parameter	styrene	xylene	1,2-DCIB	1,3-DCIB	1,4-DCIB
LAB SITE					
M CL	< 50	1200	< 100	< 100	< 100
W DE	< 5.0	13000	< 5.0	47	< 5.0
W EL	< 55	1200	250	< 55	100
M LE	< 170	1400	< 170	< 170	< 170
C RE	< 500	8700	< 500	< 500	< 500

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Dumpster Mud Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH3Cl	CH3Br	C2H3Cl	C2H5Cl	CH2Cl2	acetone	CS2	1,1-DCE	1,1-DCA	1,2-DCE	CHCl3	
LAB SITE												
M CL	< 100	< 100	< 100	< 100	< 50	< 1000	< 50	< 50	< 50	< 50	29	
W DE	< 10	< 10	< 10	< 10	< 5.0	< 100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	
W EL	< 110	< 110	< 110	< 110	< 55	< 1100	< 55	< 55	< 55	< 55	< 55	
M LE	< 330	< 330	< 330	< 330	610	< 3300	< 170	< 170	< 170	< 170	< 170	
C RE	< 1000	< 1000	< 1000	< 1000	< 500	< 10000	< 500	< 500	< 500	< 500	< 500	

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCH	v-acetate	CHBrCl2	1,2-DCEPA	1,3-DCEPE	TCE	CHBr2Cl	1,1,2-TCA	
LAB SITE												
M CL	< 50	< 1000	48	< 50	< 500	< 50	< 50	< 50	< 50	< 50	< 50	
W DE	< 5.0	< 100	11	< 5.0	< 50	< 5.0	< 5.0	< 5.0	6.4	< 5.0	< 5.0	
W EL	< 55	< 1100	750	< 55	< 550	< 55	< 55	< 55	< 55	< 55	< 55	
M LE	< 170	< 3300	1500	< 170	< 1700	< 170	< 170	< 170	< 170	< 170	< 170	
C RE	< 500	< 10000	2300	< 500	< 2500	< 500	< 500	< 500	< 500	< 500	< 500	

Parameter	benzene	2-CVE	1,3-DCEPE	CHBr3	Me-2-pan	2-hex'one	PCE	1,1,2,2'CA	toluene	Cl-benz	eth-benz	
LAB SITE												
M CL	< 50	< 100	< 50	< 50	< 500	< 500	230	< 50	440	< 50	150	
W DE	52	< 10	< 5.0	< 5.0	< 50	< 50	84	< 5.0	550	< 5.0	270	
W EL	< 55	< 110	< 55	< 55	< 550	< 550	740	< 55	500	430	1700	
M LE	< 170	< 330	< 170	< 170	< 1700	< 1700	260	< 170	530	< 170	200	
C RE	< 500	< 1000	< 500	< 500	< 5000	< 5000	1000	< 500	4600	< 500	1800	

Parameter	styrene	xylenes	1,2-DCIB	1,3-DCIB	1,4-DCIB
LAB SITE					
M CL	< 50	1200	< 100	< 100	< 100
W DE	< 5.0	13000	< 5.0	47	< 5.0
W EL	< 55	1200	250	< 55	100
M LE	< 170	1400	< 170	< 170	< 170
C RE	< 500	8700	< 500	< 500	< 500

Dumpster Mud Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	phenol	b-2Cl-ethr	2Cl-phenol	1,3-DCIB	1,4-DCIB	bonyl'ol	1,2-DCIB	2Me-pheno	b-2Cl-IP'E	4Me-pheno	N-nitroso
LAB SITE											
M CL	< 2200	< 2200	< 2200	< 2200	< 2200	< 4400	< 2200	< 2200	< 2200	< 2200	< 2200
W DE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	25	< 3.0	< 3.0	< 3.0
W EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 2100	< 1100	< 1100	< 1100	< 1100	< 1100
M LE	230	< 63	< 63	< 63	200	< 130	450	420	< 63	350	< 63
C DE	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100	< 100
M CL	< 2500	< 2500	< 2500	99000	220000	< 5100	610000	< 2500	< 2500	< 2500	< 2500

Parameter	C2C16	nitrobenz	Isophorone	2nitrophenol	2,4-Meph'ol	benz acid	b-2Clthox	2,4-dClph	1,2,4-TCIB	Naph'ene	4-Claniline
LAB SITE											
M CL	< 2200	< 2200	< 2200	< 2200	< 2200	< 11000	< 2200	< 2200	< 2200	< 2200	< 4400
W DE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 15	< 3.0	< 3.0	< 3.0	180	< 3.0
W EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	1200	< 2100
M LE	< 63	< 63	< 63	< 63	< 63	< 310	< 63	< 63	< 63	430	< 130
C DE	< 100	< 100	< 100	< 100	< 100	< 500	< 100	< 100	< 100	1400	< 100
M CL	< 2500	< 2500	< 2500	< 2500	6800	< 12000	< 2500	< 2500	< 2500	< 2500	< 5100

Parameter	C16butadien	4ClMeph'ol	2-Monaph	C16cycpenol	2,4,6Clph	2,4,5Clph	2-Cl'naph	2-nitroanil	Me2phthal	acenaphthy	2,6-DNT
LAB SITE											
M CL	< 2200	< 4400	< 2200	< 2200	< 2200	< 2200	< 2200	< 11000	< 2200	< 2200	< 2200
W DE	< 3.0	< 3.0	120	< 3.0	< 3.0	< 15	< 3.0	< 15	< 3.0	< 3.0	< 3.0
W EL	< 1100	< 2100	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100
M LE	< 63	< 130	140	< 63	< 63	< 63	< 63	< 310	< 63	< 63	< 63
C DE	< 100	< 100	1900	< 100	< 100	< 500	< 100	< 500	< 100	< 100	< 100
M CL	< 2500	< 5100	< 2500	< 2500	< 2500	< 2500	< 2500	< 12000	< 2500	< 2500	< 2500

Dumpster Mud Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	3-nitroanil	acenaphthe	2,4-dinitrophenol	4-nitrophenol	dibenzofuran	2,4-DNT	o-thophthal	4-chlorophenol	fluorene	4-nitroanil	4,6-dn2Mep
LAB SITE											
M CL	< 11000	< 2200	< 11000	< 11000	< 2200	< 2200	< 2200	< 2200	< 2200	< 11000	< 11000
W DE	< 15	< 3.0	< 15	< 15	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 15	< 15
W EL	< 5300	< 1100	< 5300	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 5300	< 5300
M LE	< 310	< 63	< 310	< 310	< 63	< 63	< 63	< 63	< 63	< 310	< 310
C DE	< 500	< 100	< 500	< 500	< 100	< 100	< 100	< 100	< 100	< 500	< 500
M CL	< 12000	< 2500	< 12000	< 12000	< 2500	< 2500	< 2500	< 2500	< 2500	< 12000	< 12000

Parameter	N-nitroso	4-Diphenyl	Cl6benzene	Cl5phenol	phenanthrene	anthracene	d-n-butylph	fluoranthene	pyrene	butylbenzoph	3,3'-Cl2benz
LAB SITE											
M CL	< 2200	< 2200	< 2200	< 11000	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200	< 4400
W DE	< 3.0	< 3.0	< 3.0	< 15	5.2	< 3.0	20	< 3.0	< 3.0	< 3.0	< 6.0
W EL	< 1100	< 1100	< 1100	< 5300	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 2100
M LE	< 63	< 63	< 63	< 310	< 63	< 63	< 63	< 63	< 63	< 63	< 130
C DE	< 100	< 100	< 100	< 500	< 100	< 100	210	< 100	< 100	920	< 200
M CL	< 2500	< 2500	< 2500	< 12000	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 5100

Parameter	ben[a]anthr	chrysene	b2ethhexph	d-n-octylph	ben[b]fluor	ben[k]fluor	ben[a]pyren	Ind[123-cd]	dben[a,h]an	ben[ghi]per
LAB SITE										
M CL	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200	< 2200
W DE	< 3.0	< 3.0	50	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
W EL	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100	< 1100
M LE	< 63	< 63	110	< 63	< 63	< 63	< 63	< 63	< 63	< 63
C DE	< 100	< 100	1700	100	< 100	< 100	< 100	< 100	< 100	< 100
M CL	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500	< 2500

Dumpster Mud Wastes

Physical Properties and TCLP Metals Analysis, ppm

Parameter		pH	BG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Neg. Limit		<2 or >10	na	< 100	5	100	1	5	5	0.2	1	5
LAB SITE												
M	CL	10	na	115	< 0.5	0.85	0.8	0.06	2.2	0.002	< 0.2	< 0.01
W	DE	7	na	80	< 0.05	1	0.84	< 0.05	570	< 0.01	< 0.05	< 0.05
W	EL	8	na	115	< 0.05	0.9	1	< 0.05	1.3	< 0.01	< 0.05	< 0.05
M	LE	6.5	na	85	< 0.5	0.47	2	0.01	1.3	< 0.001	< 0.2	< 0.01
C	NE	7.9	1.2	85	< 1	0.41	2.8	0.02	4.6	< 0.002	< 1	< 0.5
M	CL	7.5	na	> 160	< 0.5	0.28	1.3	0.16	8.8	< 0.001	< 0.2	< 0.01

TCLP Semi Volatiles Analysis, ppm

Parameter		cresol	2,4-DNT	C16-benz	C16-13-but	C16-eth	nitrobenz	C15-phenol	pyridine	2,4,5-TCP	2,4,6-TCP
Neg. Limit		200	0.13	0.13	0.5	3	2	100	5	400	2
LAB SITE											
M	CL	10	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 1.7	< 0.33	< 0.33
W	DE	5	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
W	EL	96	< 0.091	< 0.091	< 0.091	< 0.091	< 0.091	< 0.46	< 0.46	< 0.091	< 0.091
M	LE	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033
C	NE	0.88	< 0.068	< 0.068	< 0.068	< 0.068	< 0.068	< 0.34	< 0.34	< 0.068	< 0.068
M	CL	22	< 0.67	< 0.67	< 0.67	< 0.67	< 0.67	< 3.3	< 3.3	< 0.67	< 0.67

TCLP Volatiles Analysis, ppm

Parameter		benzene	CCl4	C12benz	C11C13	1,4-DCIU	1,2-DCA	1,1-DCE	MLK	PCE	TCE	VChlorole
Neg. Limit		0.5	0.5	100	6	7.5	0.5	0.7	200	0.7	0.5	0.2
LAB SITE												
M	CL	0.11	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	0.96	< 0.10	< 0.20
W	DE	0.52	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	< 0.10	< 0.10	< 0.20
W	EL	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	0.16	< 0.10	< 0.20
M	LE	< 0.10	< 0.10	< 0.10	< 0.10	0.52	< 0.10	< 0.10	< 2.0	0.64	< 0.10	< 0.20
C	NE	0.1	< 0.05	< 0.05	< 0.05	< 0.1	< 0.05	< 0.05	15	0.17	0.14	< 0.1
M	CL	< 0.10	0.17	4.3	< 0.10	> 4.4	< 0.10	< 0.10	< 2.0	3.6	0.45	< 0.20

**TCLP
ANALYSES OF DRY CLEANER
FILTER RESIDUE**

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Dry Cleaner Solvent Wastes

Physical Properties and TCLP Analysis, ppm

<i>Parameter</i>	<i>Reg. Limit</i>	<i># Samp</i>	<i>Avg</i>	<i>Min</i>	<i>Max</i>
pH	<2 or >10	3	7.0	6.0	8.0
SG	na	2	1.14	1.03	1.25
FP	< 100	3	90	80	105
As	5	3	0.00	0.00	0.00
Ba	100	3	0.52	0.37	0.80
Cd	1	3	0.25	0.05	0.45
Cr	5	3	0.18	0.13	0.26
Pb	5	3	1.00	0.20	1.70
Hg	0.2	3	0.00	0.00	0.00
Se	1	3	0.00	0.00	0.00
Ag	5	3	0.00	0.00	0.00
cresol	200	3	0.02	0.00	0.06
2,4-DNT	0.13	3	0.00	0.00	0.00
Cl6-benz	0.13	3	0.00	0.00	0.00
Cl6-13-but	0.5	3	0.00	0.00	0.00
Cl6-eth	3	3	0.00	0.00	0.00
nitrobenz	2	3	0.00	0.00	0.00
Cl5-phenol	100	3	0.00	0.00	0.00
pyridine	5	3	0.00	0.00	0.00
2,4,5-TCP	400	3	0.00	0.00	0.00
2,4,6-TCP	2	3	0.00	0.00	0.00
benzene	0.5	3	0.00	0.00	0.00
CCl4	0.5	3	0.00	0.00	0.00
Clbenz	100	3	0.00	0.00	0.00
CHCl3	6	3	0.00	0.00	0.00
1,4-DCIB	7.5	3	0.00	0.00	0.00
1,2-DCA	0.5	3	0.00	0.00	0.00
1,1-DCE	0.7	3	0.05	0.00	0.14
MEK	200	3	0.00	0.00	0.00
PCE	0.7	3	4.40	4.40	4.40
TCE	0.5	3	0.06	0.00	0.17
VChloride	0.2	3	0.00	0.00	0.00

Less than values are treated as zeros in the statistical analysis
 Greater than values are treated as the value in the statistical analysis

Dry Cleaner Solvent Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH3Cl	CH3Br	C2H3Cl	C2H5Cl	CH2Cl2	acetone	CS2	1,1-DCE	1,1-DCA	1,2-DCE	CHCl3
LAB SITE											
W DE	< 10	< 10	< 10	< 10	< 5.0	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W HE	< 7700	< 7700	< 7700	< 7700	< 3900	< 77000	< 3900	< 3900	< 3900	< 3900	< 3900
M LE	< 300	< 300	< 300	< 300	< 150	< 3000	< 150	< 150	< 150	< 150	< 150

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCl4	v-acetate	CHBrCl2	1,2-DCEPA	1,3-DCPE	TCE	CHBr2Cl	1,1,2-TCA
LAB SITE											
W DE	< 5.0	< 100	18	< 5.0	< 50	< 5.0	< 5.0	< 5.0	6.4	< 5.0	< 5.0
W HE	< 3900	< 3900	< 3900	< 3900	< 39000	< 3900	< 3900	< 3900	< 3900	< 3900	< 3900
M LE	< 150	< 3000	< 150	< 150	< 1500	< 150	< 150	< 150	< 150	< 150	< 150

Parameter	benzene	2-CVE	1,3-DCPE	CHBr3	Me-2-pen	2-hex'one	PCE	1,1,2,2-PCA	toluene	Cl-benz	eth-benz
LAB SITE											
W DE	< 5.0	10	< 5.0	< 5.0	< 50	< 50	25000	< 5.0	32	< 5.0	< 5.0
W HE	< 3900	< 3900	< 3900	< 3900	< 39000	< 39000	510000	< 3900	4800	< 3900	< 3900
M LE	< 150	< 300	< 150	< 150	< 1500	< 1500	72000	< 150	< 150	< 150	< 150

Parameter	styrene	xylenes	1,2-DCIB	1,3-DCIB	1,4-DCIB
LAB SITE					
W DE	< 5.0	62	130	36	76
W HE	< 3900	14000	< 3900	< 3900	< 3900
M LE	< 150	< 150	< 150	< 150	< 150

Dry Cleaner Solvent Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	phenol	b-2Cl-ethr	2Cl-phenol	1,3-DCIB	1,4-DCIB	benzyl'ol	1,2-DCIB	2Me-pheno	b-2Cl-IPE	4Me-pheno	N-nitroso	
LAB SITE												
W DE	< 3.0	< 3.0	< 3.0	3.8	3.8	< 3.0	< 3.0	13	< 3.0	15	< 3.0	
W HE	< 770	< 770	< 770	< 770	< 770	< 1500	< 770	< 770	< 770	< 770	< 770	
M LE	74	< 42	< 42	< 42	< 42	< 84	< 42	< 42	< 42	< 42	< 42	

Parameter	C2Cl6	nitrobenz	Isophorone	2nitroph'ol	2,4Meph'ol	benz acid	b-2Cléthox	2,4-dClph	1,2,4-TCIB	Naph'ene	4-Clantllne
LAB SITE											
W DE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 15	< 3.0	< 3.0	< 3.0	27	< 3.0
W HE	< 770	< 770	< 770	< 770	< 770	< 3900	< 770	< 770	< 770	< 770	< 1500
M LE	< 42	< 42	< 42	< 42	< 42	< 200	< 42	< 42	< 42	< 42	< 84

Parameter	Cl6butadlen	4Cl3Mephnl	2-Monaph	Cl6cycpent	2,4,6Clph	2,4,5Clph	2-Clnaph	2-nitroanll	Me2phthal	acenaphthy	2,6-DNT
LAB SITE											
W DE	< 3.0	< 3.0	3.9	< 3.0	< 3.0	< 15	< 3.0	< 15	< 3.0	< 3.0	< 3.0
W HE	< 770	< 1500	< 770	< 770	< 770	< 770	< 770	< 3900	< 770	< 770	< 770
M LE	< 42	< 84	< 42	< 42	< 42	< 42	< 42	< 200	< 42	< 42	< 42

Parameter	3-nitroanll	acenaphthe	2,4dntrophe	4nitrophenol	dibenturan	2,4-DNT	dothphthal	4Clphenphe	fluorone	4-nitroanll	4,6dn2Mop
LAB SITE											
W DE	< 15	< 3.0	< 15	< 15	< 3.0	< 3.0	9	< 3.0	< 3.0	< 15	< 15
W HE	< 3900	< 770	< 3900	< 3900	< 770	< 770	< 770	< 770	< 770	< 3900	< 3900
M LE	< 200	< 42	< 200	< 200	< 42	< 42	< 42	< 42	< 42	< 200	< 200

Dry Cleaner Solvent Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	N-nitroso	4Biphenyl	1,2,4-Trichlorobenzene	1,2,4-Trichlorophenol	phenanthrene	anthracene	d-n-butylphthalate	fluoranthene	pyrene	1,2,3,4-tetrahydronaphthalene	1,2,3,4-tetrahydronaphthalene
LAB SITE											
W DE	< 3.0	< 3.0	< 3.0	< 15	< 3.0	< 3.0	28	< 3.0	< 3.0	180	< 6.0
W HE	< 770	< 770	< 770	< 3900	< 770	< 770	< 770	< 770	< 770	< 770	< 1500
M LE	< 42	< 42	< 42	< 200	< 42	< 42	< 42	< 42	< 42	110	< 84

Parameter	benzo[a]anthracene	chrysene	1,2,3,4-dibenz[a,h]anthracene	d-n-octylphthalate	benzo[b]fluoranthene	benzo[k]fluoranthene	benzo[a]pyrene	1,2,3-benz[a,h]anthracene	1,2,3,4-dibenz[a,h]anthracene	perylene
LAB SITE										
W DE	< 3.0	< 3.0	320	34	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
W HE	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770
M LE	< 42	< 42	64	< 42	< 42	< 42	< 42	< 42	< 42	< 42

Dry Cleaner Solvent Wastes

Physical Properties and TCLP Metals Analysis, ppm

Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Reg. Limit	<2 or >10	na	< 100	5	100	1	5	5	0.2	1	5
LAB SITE											
W DE	7	1.03	80	< 0.05	0.8	0.24	0.15	1.7	< 0.01	< 0.05	< 0.05
W HE	6	1.25	85	< 0.05	0.4	0.05	0.13	0.2	< 0.01	< 0.05	< 0.05
M LE	8	matrix	105	< 0.5	0.37	0.45	0.26	1.1	< 0.001	< 0.2	< 0.01

TCLP Semi Volatiles Analysis, ppm

Parameter	cresol	2,4-DNT	C16-benz	C16-13-but	C16-eth	nitrobenz	C15-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										
W DE	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 1.7	< 0.33	< 0.33
W HE	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.30	< 0.30	< 0.060	< 0.060
M LE	0.059	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033

TCLP Volatiles Analysis, ppm

Parameter	benzene	CCl4	C1Benz	C1Cl3	1,4 DCl3	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											
W DE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	> 4.4	< 0.10	< 0.20
W HE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 2.0	> 4.4	0.17	< 0.20
M LE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	> 4.4	< 0.10	< 0.20

Dry Cleaner Solvent Wastes

Physical Properties and TCLP Analysis, ppm

<i>Parameter</i>	<i>Reg. Limit</i>	<i># Samp</i>	<i>Avg</i>	<i>Min</i>	<i>Max</i>
pH	<2 or >10	3	7.0	6.0	8.0
SG	na	2	1.14	1.03	1.25
FP	< 100	3	90	80	105
As	5	3	0.00	0.00	0.00
Ba	100	3	0.52	0.37	0.80
Cd	1	3	0.25	0.05	0.45
Cr	5	3	0.18	0.13	0.26
Pb	5	3	1.00	0.20	1.70
Hg	0.2	3	0.00	0.00	0.00
Se	1	3	0.00	0.00	0.00
Ag	5	3	0.00	0.00	0.00
cresol	200	3	0.02	0.00	0.05
2.4-DNT	0.13	3	0.00	0.00	0.00
Cl6-benz	0.13	3	0.00	0.00	0.00
Cl6-13-but	0.5	3	0.00	0.00	0.00
Cl6-eth	3	3	0.00	0.00	0.00
nitrobenz	2	3	0.00	0.00	0.00
Cl5-phenol	100	3	0.00	0.00	0.00
pyridine	5	3	0.00	0.00	0.00
2.4.5-TCP	400	3	0.00	0.00	0.00
2.4.6-TCP	2	3	0.00	0.00	0.00
benzene	0.5	3	0.00	0.00	0.00
CCl4	0.5	3	0.00	0.00	0.00
Clbenz	100	3	0.00	0.00	0.00
CHCl3	6	3	0.00	0.00	0.00
1.4-DCIB	7.5	3	0.00	0.00	0.00
1.2-DCA	0.5	3	0.00	0.00	0.00
1.1-DCE	0.7	3	0.05	0.00	0.14
MEK	200	3	0.00	0.00	0.00
PCE	0.7	3	4.40	4.40	4.40
TCE	0.5	3	0.06	0.00	0.17
VChloride	0.2	3	0.00	0.00	0.00

Less than values are treated as zeros in the statistical analysis

Greater than values are treated as the value in the statistical analysis

Dry Cleaner Solvent Wastes

Volatile Organics (EPA 8240) Analysis, ppm

Parameter	CH3Cl	CH3Br	C2H3Cl	C2H5Cl	CH2Cl2	acetone	CS2	1,1-DCE	1,1-DCA	1,2-DCE	CHCl3
LAB SITE											
W DE	< 10	< 10	< 10	< 10	< 5.0	200	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
W HE	< 7700	< 7700	< 7700	< 7700	< 3900	< 77000	< 3900	< 3900	< 3900	< 3900	< 3900
M LE	< 300	< 300	< 300	< 300	< 150	< 3000	< 150	< 150	< 150	< 150	< 150

Parameter	1,2-DCA	MEK	1,1,1-TCA	CCl4	v-acetate	CHBrCl2	1,2-DCEPA	1,3-DCIPE	TCE	CHBr2Cl	1,1,2-TCA
LAB SITE											
W DE	< 5.0	< 100	18	< 5.0	< 50	< 5.0	< 5.0	< 5.0	6.4	< 5.0	< 5.0
W HE	< 3900	< 3900	< 3900	< 3900	< 39000	< 3900	< 3900	< 3900	< 3900	< 3900	< 3900
M LE	< 150	< 3000	< 150	< 150	< 1500	< 150	< 150	< 150	< 150	< 150	< 150

Parameter	benzene	2-CVE	1,3-DCPE	CHBr3	Me-2-pen	2-hex'one	PCE	1,1,2,2PCA	toluene	Cl-benz	eth-benz
LAB SITE											
W DE	< 5.0	10	< 5.0	< 5.0	< 50	< 50	25000	< 5.0	32	< 5.0	< 5.0
W HE	< 3900	< 3900	< 3900	< 3900	< 39000	< 39000	510000	< 3900	4800	< 3900	< 3900
M LE	< 150	< 300	< 150	< 150	< 1500	< 1500	72000	< 150	< 150	< 150	< 150

Parameter	styrene	xylenes	1,2-DCIB	1,3-DCIB	1,4-DCIB
LAB SITE					
W DE	< 5.0	62	130	36	76
W HE	< 3900	14000	< 3900	< 3900	< 3900
M LE	< 150	< 150	< 150	< 150	< 150

Dry Cleaner Solvent Wastes

Semivolatile Organics (EPA 8270) Analysis, ppm

Parameter	phenol	b-2Cl-ethr	2Cl-phenol	1,3-DCIB	1,4-DCIB	benzyl'ol	1,2-DCIB	2Me-pheno	b-2Cl-IPE	4Me-pheno	N-nitroso	
LAB SITE												
W DE	< 3.0	< 3.0	< 3.0	3.8	3.8	< 3.0	< 3.0	13	< 3.0	15	< 3.0	
W HE	< 770	< 770	< 770	< 770	< 770	< 1500	< 770	< 770	< 770	< 770	< 770	
M LE	74	< 42	< 42	< 42	< 42	< 84	< 42	< 42	< 42	< 42	< 42	

Parameter	C2Cl6	nitrobenz	Isophorone	2nitroph'ol	2,4Meph'ol	benz acid	b-2Cl ethox	2,4-dClph	1,2,4-TCIB	Naph'ene	4-Claniline
LAB SITE											
W DE	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 15	< 3.0	< 3.0	< 3.0	27	< 3.0
W HE	< 770	< 770	< 770	< 770	< 770	< 3900	< 770	< 770	< 770	< 770	< 1500
M LE	< 42	< 42	< 42	< 42	< 42	< 200	< 42	< 42	< 42	< 42	< 84

Parameter	Cl6butadien	4Cl3Mephnl	2-Menaph	Cl6cycpent	2,4,6Clph	2,4,5Clph	2-Clinaph	2-nitroanil	Me2phthal	acenaphthy	2,6-DNT
LAB SITE											
W DE	< 3.0	< 3.0	3.9	< 3.0	< 3.0	< 15	< 3.0	< 15	< 3.0	< 3.0	< 3.0
W HE	< 770	< 1500	< 770	< 770	< 770	< 770	< 770	< 3900	< 770	< 770	< 770
M LE	< 42	< 84	< 42	< 42	< 42	< 42	< 42	< 200	< 42	< 42	< 42

Parameter	3-nitroanil	acenaphthe	2,4dnitropha	4nitrophenol	dibonfuran	2,4-DNT	diethylphthal	4Clphenpha	fluorene	4-nitroanil	4,6dn2Mep
LAB SITE											
W DE	< 15	< 3.0	< 15	< 15	< 3.0	< 3.0	9	< 3.0	< 3.0	< 15	< 15
W HE	< 3900	< 770	< 3900	< 3900	< 770	< 770	< 770	< 770	< 770	< 3900	< 3900
M LE	< 200	< 42	< 200	< 200	< 42	< 42	< 42	< 42	< 42	< 200	< 200

Dry Cleaner Solvent Wastes

Semivolatile Organics (EPA 8270) Analysis, ppb

Parameter	N-nitroso	4Brphenol	Clbenzene	Cl5phenol	phenanthre	anthracene	d-n-bulphi	fluoranthen	pyrene	butbenphth	3,3'Cl2benz
LAB SITE											
W DE	< 3.0	< 3.0	< 3.0	< 15	< 3.0	< 3.0	28	< 3.0	< 3.0	180	< 6.0
W HE	< 770	< 770	< 770	< 3900	< 770	< 770	< 770	< 770	< 770	< 770	< 1500
M LE	< 42	< 42	< 42	< 200	< 42	< 42	< 42	< 42	< 42	110	< 84

Parameter	ben[a]anthr	chrysene	b2ethhexph	d-n-octphi	ben[b]fluor	ben[k]fluor	ben[a]pyren	ind[123-cd]	dben[a,h]an	ben[ghi]per
LAB SITE										
W DE	< 3.0	< 3.0	320	34	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0	< 3.0
W HE	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770	< 770
M LE	< 42	< 42	64	< 42	< 42	< 42	< 42	< 42	< 42	< 42

Dry Cleaner Solvent Wastes

Physical Properties and TCLP Metals Analysis, ppm

Parameter	pH	SG	FP	As	Ba	Cd	Cr	Pb	Hg	Se	Ag
Reg. Limit	<2 or >10	na	< 100	5	100	1	5	5	0.2	1	5
LAB SITE											
W DE	7	1.03	80	< 0.05	0.8	0.24	0.15	1.7	< 0.01	< 0.05	< 0.05
W HE	6	1.25	85	< 0.05	0.4	0.05	0.13	0.2	< 0.01	< 0.05	< 0.05
M LE	8	matrix	105	< 0.5	0.37	0.45	0.26	1.1	< 0.001	< 0.2	< 0.01

TCLP Semi Volatiles Analysis, ppm

Parameter	cresol	2,4-DNT	C16-benz	C16-13-but	C16-eth	nitrobenz	C15-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										
W DE	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 1.7	< 1.7	< 0.33	< 0.33
W HE	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.060	< 0.30	< 0.30	< 0.060	< 0.060
M LE	0.059	< 0.033	< 0.033	< 0.033	< 0.033	< 0.033	< 0.17	< 0.17	< 0.033	< 0.033

TCLP Volatiles Analysis, ppm

Parameter	benzene	CCl4	C16benz	C11C13	1,4 DCl11	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											
W DE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 2.0	> 4.4	< 0.10	< 0.20
W HE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10	0.14	< 2.0	> 4.4	0.17	< 0.20
M LE	< 0.10	< 0.10	< 0.10	< 0.10	< 0.20	< 0.10	< 0.10	< 2.0	> 4.4	< 0.10	< 0.20

NOTE: PLEASE INSERT THE FOLLOWING PAGE IMMEDIATELY IN FRONT OF THE FOUR PAGE DOCUMENT STEEL DRUM CONSTRUCTION DETAILS IN APPENDIX E.

EXAMPLES OF CONTAINER SPECIFICATIONS

Note: The following information includes examples of specifications handled at the Albuquerque Service Center. All storage containers will meet DOT requirements and will not exceed 55 gallons in capacity (except for 55-gallon overpack drums). [June 30, 1992]

NOTE: PLEASE INSERT THE FOLLOWING TWO PAGES INTO APPENDIX F AS LISTED IN THE TABLE OF CONTENTS (I.E., FIRST TWO PAGES OF APPENDIX F). PLEASE REMOVE CORRESPONDING PAGES FROM PERMIT APPLICATION DATED NOVEMBER 8, 1990.

EMPLOYEE POSITION FUNCTIONS DURING AN EMERGENCY

<u>Title</u>	<u>Emergency Function</u>
<u>Resource Recovery [June 30, 1992]</u> Branch Manager	Emergency Coordinator Notify Environmental Affairs Department Notify Emergency Agencies, if necessary.
Alternate Emergency Coordinator: Any trained employee designated to this position by the emergency coordinator	Supervise Evacuation <u>Apply First Aid</u>
Sales Representatives	Retain, contain or slow the flow of solvent Shut off electricity, secure building <u>Gather Fire Extinguishers</u> <u>Gather Absorbents</u>
Branch Secretaries	<u>Apply First Aid</u> <u>Assist in Notifying Emergency Agencies</u>
Warehouseperson	<u>Gather Drums and Shovels</u> <u>[June 30, 1992]</u>

EMERGENCY INFORMATION

A. Facility Emergency Coordinator

Name: Rick McDonald

Home Address: #16 County Rd. 3394
Aztec, NM 87401 [June 30, 1992]

Telephone: Office: 505/327-9070
Home: 505/334-8442 [June 30, 1992]

Alternate Coordinator

Dan Dee [June 30, 1992]

#20 Yucca Heights
Beclabito, NM 87420 [June 30, 1992]

505/327-9070
505/326-9315 [June 30, 1992]

B. Facility Notification Phone Number

a. Internal:

Safety-Kleen Environment, Health and Safety Department
24 Hour Emergency Number: 708/888-4660

b. External:

1. National Response Center
24 Hour Emergency Number: 800/424-8802
2. New Mexico Health and Environment Department
505/827-9329

C. Emergency Team to be Notified

<u>Unit</u>	<u>Telephone Number</u>
a. Farmington Fire Dept.	911 [June 30, 1992]
b. Farmington Police Dept.	911 [June 30, 1992]
c. San Juan County Regional Medical Center	505/325-5011
d. Rinchem	<u>505/345-3655 or</u> <u>505/883-4232</u> <u>(24-hour Central Security)</u> <u>[June 30, 1992]</u>

NOTE: PLEASE REMOVE THE SPILL REPORT TELEPHONE LOG IN APPENDIX F (LAST PAGE) AND INSERT THE FOLLOWING FORM. THE FIELD SPILL REPORT FORM SUPERSEDES THE SPILL REPORT TELEPHONE LOG.

SAFETY-KLEEN CORP.
Field Spill Report Form

REVISED: JUNE 23, 1992

Report all spills to the Safety-Kleen Environment, Health and Safety Dept. immediately.

1. Facility Number and Location _____

2. Date of spill _____ Time _____ a.m./p.m.
Report from: _____ Title _____

4. Location of spill: _____

5. Material spilled: _____ Quantity _____

6. Any injuries or property damage? Yes or No If yes, explain. _____

7. Cause of spill. _____

8. Was the spilled material contained? Yes or No If yes, how? If no, describe the scene in detail (including nearby surface water or sewers and distance to them). _____

9. Describe clean-up action taken. _____

0. Person involved in incident. _____

1. Vehicle # _____ Company _____

2. List any emergency agencies at scene. _____

3. Are there homes or businesses nearby? Yes or No Distance? _____

4. Notification:	S-K Environment Dept.	Nat'l. Response Center	State
	1-800-323-5740	1-800-424-8802	1- . . .
	1-708-888-4660 (24 hr.)		

te/time: _____

contact name: _____

instruments rec'd: _____

Signature _____

When completing this form, file copy 1 in the Contingency Plan Section of the Environmental Manual and mail copy 2 to SK Environment, Health and Safety Department.

NOTE: THE FOLLOWING PAGES ARE TO BE INSERTED IN APPENDICES F AND G. PLEASE REMOVE THE POSITION DESCRIPTIONS FOR BRANCH MANAGER, SALES REPRESENTATIVE AND HOUSEMAN FROM THE OCTOBER 25, 1990 PERMIT APPLICATION.

Field Management Position Description

Position Title:

RESOURCE RECOVERY BRANCH MANAGER

Reporting Relationships:

Reports to Regional Manager of Sales

Oversees all branch personnel

Qualifications:

High school graduate (minimum) with Safety-Kleen sales experience. Applicant must exhibit excellent speaking and writing skills, leadership abilities, and must successfully complete the required testing procedure (including participation in the Leadership Development Program).

Position Overview:

The Resource Recovery Branch Manager has overall responsibility for facility operations and profitability, and directs sales and service activities within the geographic area defined by Corporate Marketing.

Responsibilities :

- ⇒ Presents a proper example to all assigned personnel in regard to the Corporate Ethics Policy.
- ⇒ Plans, directs, and controls the activities of all assigned personnel.
- ⇒ Trains all branch administrative, management, and sales personnel.
- ⇒ Complies with all Company policies related to branch activities.
- ⇒ Assists or accompanies Sales Representatives during their sales activities, when necessary.
- ⇒ Accurately tabulates daily sales and inventory figures and reports them to the Regional Manager and/or Corporate office.
- ⇒ Maintains and assumes financial responsibility for inventories of solvents, allied products, assigned vehicles, and other capital equipment.

Policy Date _____
Prepared By J. Pelletier
C. Sprague
Approved by _____

- ⇒ Provides for regular inspections of the facility, equipment, and records in compliance with Company and governmental regulations.
- ⇒ Represents Safety-Kleen Corp. in local community affairs and public relation activities.
- ⇒ Communicates with Corporate Technical Services and Environmental, Health and Safety Departments, and implements necessary actions or plans for regulatory compliance.
- ⇒ Functions as the primary Emergency Response Coordinator and delegates a secondary Emergency Response Coordinator in case of absence.
- ⇒ Safeguards capital equipment, supplies, customer records and lists and other confidential Company information.

Specific Duties and Authority:

(The Resource Recovery Branch Manager has overall responsibility for branch operations. Duties are to be performed or delegated as the situation warrants to subordinates. The following categories are not prioritized.)

Environmental . Health .and Safety

- Assures the proper completion and administration of hazardous waste manifests and associated paperwork (land disposal restriction notices, operating log, waste analysis, and spill reporting)
- Assures the proper management, preparation and shipment of hazardous waste (including packaging, labeling, placarding of vehicles, and transfer and storage procedures)
- Maintains a current Emergency Response and Evacuation Plan
- Conducts safety training and maintains records of such training
- Implements and maintains branch environmental, health, and safety awareness
- Keeps Environmental , Health, and Safety training records current

Sales Management

- Recruits, trains, directs and motivates sales staff
- Develops supervisors
- Schedules and holds weekly sales meetings
- Monitors daily sales activities
- Plans and implements strategies to achieve sales quotas
- Accurately reports and maintains weekly sales production records

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.

BRANCH SALES MANAGER

This title includes the following positions:

Branch Industrial Manager

Branch Automotive Manager

Branch Special Markets Manager

Note: Position descriptions for each of the above follows: this position will be filled on an as needed basis at the Albuquerque service center. [June 30, 1992].

Safety-Kleen Corp.®

Branch Middle Management Position

Position Title:

BRANCH INDUSTRIAL MANAGER

Division:

Industrial Services

Policy Date _____

Prepared By J. Pelletier
C. Sprague

Approved by _____

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager and indirectly to Regional Industrial Sales Manager. All Industrial Sales Representatives within assigned territories report directly to the BIM. In branches without a BFM, one or more Branch Secretaries report to the BIM, as assigned by the Resource Recovery Branch Manager.

Qualifications:

High School graduate (minimum) with above average Safety-Kleen route sales experience. Applicant should exhibit leadership abilities, be self-motivated, and pass Company testing. Good reading and letter writing skills are also required.

Primary Focus:

- Develops and maintains industrial account business by presenting and providing the complete Industrial Fluid Recovery Service to customers in assigned territories.

Secondary Focus:

- Trains, motivates and controls the industrial sales staff within the assigned territories.

Safety-Kleen Corp.®

Branch Middle Management Position

Position Title:

BRANCH AUTOMOTIVE MANAGER

Division:

Automotive Services

Policy Date _____

Prepared By J. Pelletier

C. Sprague

Approved by _____

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager and indirectly to Regional Automotive Sales Manager. All Automotive and Oil Sales Representatives within assigned territories report directly to the BAM. In branches without a BFM, one or more Branch Secretaries report to the BAM, as assigned by the Resource Recovery Branch Manager.

Qualifications:

High School graduate (minimum) with above average Safety-Kleen route sales experience. Applicant should exhibit leadership abilities and be self-motivated, and pass Company testing.

Primary Focus:

- Develops and maintains automotive account business by presenting and providing the complete Automotive Fluid Recovery Service to customers in assigned territories.

Secondary Focus:

- Trains, motivates and controls the automotive sales staff within the assigned territories.

Safety-Kleen Corp.®

Branch Middle Management Position

Position Title:

BRANCH SPECIAL MARKETS MANAGER

Division:

Special Markets

Policy Date _____

Prepared By J. Pelletier

Approved by _____

Organizational Relationship:

Reports directly to the Resource Recovery Branch Manager. All Special Markets Sales Specialists within assigned territories report directly to the BSMM.

Qualifications:

High School graduate (minimum) with above average Safety-Kleen special markets route sales experience. Applicant should exhibit leadership abilities and be self-motivated, and pass Company testing. Attendance of PSM course is desirable.

Primary Focus:

- Develops and maintains Corporate and Branch goals related to special markets by planning, organizing, directing, and controlling all assigned employees.

Secondary Focus:

- In most instances, the BSMM is responsible for personal production within an assigned zone and operates under the guidelines established by the Special Markets Sales Specialist job description. This would include a minimum number of sales calls that would generate a set revenue quota. Branch specific standards would be established by the Regional Special Markets Sales Manager in conjunction with the Resource Recovery Branch Manager.

WAREHOUSE PERSON

JOB DESCRIPTION

Performs duties to assist the sales representatives in loading and unloading the trucks. Performs janitorial duties at the warehouse. Performs specific hazardous waste activities as outlined below.

REPORTS TO:

Branch Manager

QUALIFICATION:

Attended high school

PRINCIPAL RESPONSIBILITIES:

Maintain warehouse in clean and orderly manner.

Assist sales representatives in loading trucks and replacing solvent.

Refurbish drums as needed.

Park or move trucks as needed.

Stock inventory.

Replenish trucks with inventory.

Perform hazardous waste activities:

- a. General hazardous waste management activities, including transfer of hazardous waste from containers to tanks and placement of containerized hazardous waste into storage.
- b. Preparedness and prevention activities, including maintenance of aisle space and verification of adequate packaging, placarding and labelling.
- c. Completing hazardous waste manifests and associated paperwork (land disposal restriction notices).

Perform other related duties as assigned. [June 30, 1992].

NOTE: PLEASE REMOVE FINANCIAL ASSURANCE DOCUMENTATION FROM PREVIOUS APPLICATION AND REPLACE WITH THE FOLLOWING.



REVISED: JUNE 30, 1992

Mr. David Morgan
New Mexico Environmental Improvement Division
Hazardous Waste Bureau
1190 St. Francis Drive
Santa Fe, NM 87503

Dear Sir or Madam:

I am the chief financial officer of Safety-Kleen Corp., 777 Big Timber Road, Elgin, Illinois, 60123. This letter is in support of this firm's use of the financial test to demonstrate financial assurance as specified in the New Mexico Hazardous Waste Management Regulations, Part II 206.C.3 and 206.D.3.

1. This firm is the owner or operator of the following facilities for which financial assurance for closure or post-closure care is demonstrated through the financial test specified in New Mexico Hazardous Waste Management Regulations, Part 206.C.3 and 206.D.3. The current closure and/or post-closure cost estimates covered by the test are shown for each facility: total per attached listing - closure \$190,000; post-closure \$0.
2. This firm guarantees, through the corporate guarantee specified in New Mexico Hazardous Waste Management Regulations Part II 206.C.3 and 206.D.3, the closure or post-closure care of the following facilities owned or operated by subsidiaries of this firm. The current cost estimates for the closure or post-closure care so guaranteed are shown for each facility: closure \$0; post-closure \$0.
3. This firm is the owner or operator of the following hazardous waste management facilities for which financial assurance for closure or, if a disposal facility, post-closure care is not demonstrated either to the New Mexico Environmental Improvement Division through the financial test or any other financial assurance mechanism specified in New Mexico Hazardous Waste Management Regulations, Part II 206.C.3 and 206.D.3. The current closure and/or post-closure cost estimates not covered by such financial assurance are shown for each facility: total per attached listing - closure \$29,406,130; post-closure \$11,117,100.

This firm is required to file a Form 10K with the Securities and Exchange Commission (SEC) for the latest fiscal year.

The fiscal year of this firm ends on the Saturday closest to December 31. The figures for the following items marked with an asterisk are derived from this firm's independently audited, year-end financial statements for the latest completed fiscal year, ended December 28, 1991.

(con't)

Alternative II

1. Sum of current closure and post-closure cost estimates	\$40,713,230	
2. Current bond rating of most recent issuance of this firm and name of rating service	<u>A, Standard and Poors</u>	
3. Date of issuance of bond	<u>September 15, 1989</u>	
4. Date of maturity of bond	<u>September 15, 1999</u>	
*5. Tangible net worth	\$356,526,000	
*6. Total assets in U.S. (required only if less than 90% of firm's assets are located in the U.S.)	\$711,082,000	
	<u>YES</u>	<u>NO</u>
7. Is line 5 at least \$10 million?	X	
8. Is line 5 at least 6 times line 1?	X	
*9. Are at least 90% of firm's assets located in the U.S.? If not complete line 10.		X
10. Is line 6 at least 6 times line 1?	X	

I hereby certify that the wording of this letter is identical to the wording specified in New Mexico Hazardous Waste Management Regulations, Part II 206.D.3.j.(6) as such regulations were constituted on the date shown immediately below.



Robert W. Willmschen
Vice President - Finance

March 23, 1992
RWW/dmb

STATE OF NEW MEXICO

Albuquerque (\$95,000)	(7-008-01) (0)	2720 Girard NE Albuquerque, NM 87107	NMD 000804294
Farmington \$95,000 \$190,000	(7-008-21) (0) \$0	4200A Hawkins Road Farmington, NM 87401	NMD 980698849

Closure	Post-Closure
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PARAGRAPH #2

None

PARAGRAPH #3STATE OF ALABAMA

Dolomite (\$75,000)	(3-019-01) (0)	1002 Hoke Avenue Dolomite, AL 35061	ALD 077640001
Gurley (\$55,000)	(3-019-02) (40,600)	201 Section Line Street Gurley, AL 35748	ALD 000776807
Huntsville AC (\$150,000)	(0-007-49) (0)	Colemont Ind. Site U.S. 72 East Huntsville, AL	ALD 981028798
Montgomery (\$75,000)	(3-019-21) (0)	4815 N. Birmingham Montgomery, AL 36308	ALT 020010997
Whistler (\$75,000)	(6-133-01) (0)	3023 Dials Street Whistler, AL 36612	ALD 071951628

STATE OF ARIZONA

Phoenix (\$52,050)	(7-142-01) (40,600)	4401 E. University Phoenix, AZ 85034	AZD 089308803
Tucson (\$52,050)	(7-142-02) (0)	4161 E. Tennessee Tucson, AZ 85714	AZD 980892897
Chandler (\$52,050)	(7-142-01) (0)	Lot 42, Beck Avenue Williams Field Rd. Ind. Park Chandler, AZ 05224	AZD 981969504

STATE OF ARKANSAS

Little Rock (\$84,000)	(6-086-01) (40,600)	11727 Arch St. Pike Little Rock, AR 72206	ARD 054575238
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Fort Smith (\$65,000)	(40,600)	(0-003-01)	2011 Johnson Street Fort Smith, AR 72904	ARD 000709733
West Memphis (\$52,050)	(0)	(6-094-01)	309 Mound City Road Between I 55 and 40 West Memphis, AR 72301	ARD 056855232
<u>STATE OF CALIFORNIA</u>				
El Monte (\$266,000)	(\$126,000)	(7-088-06)	10625 Hickson Street Unit A El Monte, CA 91731	CAT 000613893
Fresno (\$52,050)	(0)	(7-015-01)	3561 S. Maple Street Fresno, CA 93725	CAD 066113465
Gardena (\$150,000)	(0)	(7-088-04)	139 E. 157th Street Gardena, CA 90248	CAT 000613919
Highland (\$222,000)	(\$126,000)	(7-172-01)	7979 Palm Ave., Unit E Highland, CA 92346	CAT 000613927
Los Alamitos (\$52,050)	(\$335,000)	(7-088-05)	3876 Florista Street Los Alamitos, CA 90270	CAD 066177783
Los Angeles (\$266,000)	(\$126,000)	(7-088-02)	2918 Worthen Avenue Los Angeles, CA 90039	CAT 000613935
Oakland (\$205,000)	(\$126,000)	(7-178-01)	404 Market Street Oakland, CA 94607	CAD 053044053
Reedley Recycle Center \$110,500	(\$65,000)		1000 South I Street Reedley, CA 93654	CAD 093459485
Rohnert Park (\$330,000)	(\$138,000)	(7-178-03)	5750 Commerce Blvd. Rohnert Park, CA 94928	CAT 000613943
Rancho Cordova (\$65,000)	(\$126,000)	(7-157-01)	2576 Mercantile Drive Rancho Cordova, CA 95670	CAT 000613950
Salida (\$52,050)	(0)	(7-185-01)	5050 Salida Blvd. Salida, CA 95368	CAT 000613968
San Diego (\$52,050)	(\$335,000)	(7-175-01)	6306 Federal Blvd. San Diego, CA 92114	CAD 080916968
El Cajon (\$140,000)	(0)	(7-175-01)	W. Bradley & Johnson Avenues El Cajon, CA 92020	CAD 982486094
Santa Ana (\$367,500)	(\$126,000)	(7-088-07)	2120 South Yale Street Santa Ana, CA 92704	CAT 000613976
Santa Barbara (\$375,000)	(0)	(7-177-01)	214 E. Montecito Street Santa Barbara, CA 93103	CAT 000613984
Goleta (\$52,050)	(0)	(7-177-01)	5310 Overpass Road Goleta, CA 93103	CAD 981374077

Santa Clara (\$52,050) (\$350,000)	(7-178-02)	3461 Woodward Ave. Santa Clara, CA 95054	CAD 077187888
San Jose (\$215,000) (0)	(7-178-02)	1147 N. 10th Street San Jose, CA 95112	CAD 980817159
Sylmar (\$132,000) (\$126,000)	(7-088-01)	13024 Bradley Avenue Sylmar, CA 91342	CAT 000613992

STATE OF COLORADO

Commerce City (\$52,050) (0)	(6-052-01)	4980 Locust Street Commerce City, CO 80022	COD 000716613
Englewood AC (\$175,000) (0)	(6-052-02)	2801 S. Tejon Englewood, CO 80110	COD 000716621
Grand Junction (\$52,050) (0)	(6-052-21)	368 Bonny Grand Junction, CO 81501	COT 090010851
Pueblo (\$52,050) (0)	(6-052-04)	2841 East Fourth Street Pueblo, CO 81001	COD 000716639
Denver (\$114,000) (0)		1345 Bayoud Avenue Denver, CO 80223	COD 980954101

STATE OF CONNECTICUT

Branford (\$52,050) (0)	(2-112-01)	11 Tipping Drive Branford, CT 06405	CTD 980667927
West Hartford (\$52,050) (40,600)	(2-070-01)	24 Brixton Street West Hartford, CT 06110	CTD 000845982
Plainsfield (\$104,100) (0)		Community Avenue Plainsfield, CT 06374	CTD 001156009

STATE OF FLORIDA

Casselberry (\$52,050) (0)	(3-130-01)	464 A Pulmosa Drive Casselberry, FL 32707	FLD 097837983
Sanford (\$77,000) (0)	(3-130-01)	North Star Business Park, Lot 10 Sanford, FL 32771	FLD 984171165
Delray Beach (\$227,000) (801,500)	(3-097-01)	16086 SW 4th Ave., Bldg. B Delray Beach, FL 33444	FLD 000776757
Boynton Beach (\$77,000) (0)	(3-097-01)	Lot 46B Boynton Beach Park of Commerce Boynton Beach, FL	Applied For
Orange Park (\$77,000) (0)	(3-079-01)	161 Industrial Loop South Orange Park, FL 32073	FLD 980847214
Miami (\$80,400) (395,000)	(3-097-02)	7875 NW 54th Street Miami, FL 33166	FLD 980840086

Medley (\$77,000)	(3-097-02) (0)	Palmetto Dr. & NW South River Dr. Medley, FL	Applied For
Port Charlotte (\$77,000)	(3-163-02) (0)	19200 Peachland Blvd. Bachman Blvd. Port Charlotte, FL 33949	FLD 000776716
Tallahassee (\$80,400)	(395,000) (3-079-02)	3082 West Tharpe Street (Rear) Tallahassee, FL 32303	FLD 000776773
Tallahassee (\$77,000)	(0)	Entrepot Blvd.-Airport Ind. Park Tallahassee, FL 32303	Applied For
Tampa (\$256,000)	(807,200) (3-163-01)	4701 North Manhattan Tampa, FL 33614	FLD 049557408
Tampa AC (\$150,000)	(0) (0-007-50)	5309 24th Avenue South Tampa, FL 33619	FLD 980847271

STATE OF GEORGIA

Columbus (\$52,050)	(3-106-01) (0)	5920 Coca Cola Blvd. Columbus, GA 31909	GAD 000823096
Garden City (\$52,050)	(3-179-01) (0)	5217 Augusta Road P.O. Box 7036 Garden City, GA 31408	GAD 000776781
Hapeville (\$52,050)	(3-013-01) (0)	3440 Lang Avenue Hapeville, GA 30354	GAD 000823070
Morrow (\$52,050)	(3-013-01) (0)	South Lake Com. PK- Commercial Dr. Morrow, GA 30260	GAD 981265424
Macon (\$52,050)	(3-106-01) (0)	6850 Hawkinsville Road Macon, GA 31207	GAD 980709257
Norcross (\$170,000)	(3-013-02) (0)	480 S. Old Peachtree Road Norcross, GA 30071	GAD 980842777
Ringgold (\$52,050)	(3-019-22) (0)	RR #5, Dietz Road Ringgold, GA 30736	GAD 980842835

STATE OF IDAHO

Boise (\$52,050)	(40,600) (1-183-08)	514 E. 45th Street Boise, ID 83704	IDD 000712026
Pocatello (\$52,050)	(40,600) (1-183-28)	2610 Garrettway Pocatello, ID 83201	IDD 991281270
Boise (\$52,050)	(0) (1-183-01)	Supply Way and Gowan Road Boise, ID 83705	IDD 981770498

STATE OF ILLINOIS

Arlington Heights (\$185,000)	(0) (5-034-03)	306 Campus Drive Arlington Heights, IL 60004	ILD 000805929
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Elgin Recycle Center (\$225,000) (2,450,000)		1500 E. Villa Street Elgin, IL 60120	ILD 000805911
Caseyville (\$363,000) (0)	(5-160-02)	20 Tucker Drive Caseyville, IL 62232	ILD 981097819
Chicago Plant (\$360,000) (0)		1445 W. 42nd Street Chicago, IL 60609	ILD 005450697
Franklin Park (\$52,050) (23,000)	(5-034-04)	412 Domenic Court Franklin Park, IL 60131	ILD 000665869
Mokena (\$52,050) (23,000)	(5-034-05)	9631 West 194th Place Mokena, IL 60448	ILD 000665851
Pekin (\$430,000) (0)	(5-136-01)	RR #3 Pekin, IL 61554	ILD 093862811
Schaumburg (\$185,000) (0)	(5-034-01)	728 Morse Avenue Schaumburg, IL 60193	ILD 079749073
Urbana (\$93,000) (23,000)	(5-033-01)	500 Anthony Drive Urbana, IL 61801	ILD 981088388
Dolton (\$5,500,000) (0)	(0-006-54)	633 E. 138th St. P.O. Box 100 Dolton, IL 60419	ILD 980613913

STATE OF INDIANA

Evansville (\$52,050) (0)	(5-060-01)	4417 St. Joe Street Evansville, IN 47712	IND 000815894
Fort Wayne (\$221,000) (0)	(5-068-01)	2112 Production Road Ft. Wayne, IN 46808	IND 000715466
Indianapolis (\$221,000) (0)	(4-076-02)	8418-26 Brookville Road Indianapolis, IN 46239	IND 000715886
Greenwood (\$50,000) (0)	(4-046-02)	800 Park Drive Greenwood, IN 46142	IND 984874776
Portage (\$221,000) (0)	(5-034-06)	6050 Eagle Drive Portage, IN 46368	IND 000714428
South Bend (\$221,000) (0)	(5-082-01)	2217 Western Avenue South Bend, IN 46628	IND 000715474
Breslube USA (\$861,000) (0)		601 Riley Road E. Chicago, IN 46312	IND 077042034

STATE OF IOWA

Davenport (\$52,050) (0)	(5-047-01)	3035 West 73rd Street Davenport, IA 52806	IAD 098027592
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(\$120,000)	(0)	5318 NW 111 Drive, RR #2 Grimes, IA 50111	IAD 083489773
Des Moines (\$52,050)	(5-053-01) (0)	4705 NE 22nd Street Des Moines, IA 50317	IAD 981718000
Mason City (\$126,000)	(5-093-01) (0)	16 SW 11th Street Mason City, IA 50401	IAD 000678326

STATE OF KANSAS

Dodge City (\$52,050)	(6-195-21) (0)	600 East Trail Dodge City, KS 67801	KSD 980686844
Wichita (\$91,000) (40,600)	(6-195-01)	1311 South Anna Wichita, KS 67209	KSD 000809723
Edwardsville (\$52,050) (40,600)	(5-085-01)	9317 Woodend Road Edwardsville, KS 66022	KSD 980973515
Bonner Springs (\$ 0) (63,000)	(5-085-01)	11565 K 32 Highway Bonner Springs, KS	KSD 000687681

STATE OF KENTUCKY

Ashland (\$150,000)	(4-075-01) (0)	1592 Wolohan Drive Ashland, KY 41101	KYD 000776724
Ashland (\$55,000)	(4-075-01) (0)	West Virginia & Kevin Aves. Ashland, KY 41105	KYD 981027451
Lexington (\$150,000)	(4-090-01) (0)	264 Big Run Road Lexington, KY 40503	KYD 020440459
Lexington (\$55,000)	(4-090-01) (0)	550 Blue Sky Parkway Lexington, KY 40509	KYD 981027469
Louisville (\$150,000) (260,000)	(4-091-01)	751 Grade Lane Louisville, KY 40213	KYD 091514653
Louisville (\$55,000)	(4-091-01) (0)	Eiler Avenue Louisville, KY 40214	KYD 985072610
New Castle (\$340,250)	(0-006-54) (0)	State Highway 146 New Castle, KY 40050	KYD 053348108

STATE OF LOUISIANA

Pineville (\$150,000)	(6-073-04) (0)	4200 Shreveport Highway Pineville, LA 71360	LAD 000757708
Tioga AC (\$250,000)	(6-073-04) (0)	518 Ryder Drive Pineville, LA 71360	LAD 981057441
Kenner 52,050) (40,600)	(6-115-01)	14 26th Street Kenner, LA 70062	LAD 089841902

Kenner (6-115-01) Tyler Avenue (applied for)
(\$156,100) (0) Kenner, LA 70062

STATE OF MAINE

Lee's (2-011-01) Route 202, RFD 3, Box 1990 MED 980667810
(\$52,050) (0) Leeds, ME 04263

STATE OF MARYLAND

Baltimore (2-016-01) 1448 Desoto Road MDD 981034291
(\$52,050) (0) Baltimore, MD 21230

Glen Burnie (2-016-02) 150 Penrod Court MDD 000737106
(\$52,050) (40,600) Section G & H
Glen Burnie, MD 21061

Silver Springs (2-058-01) 12164 Tech Road MDD 000737395
(\$52,050) (40,600) Silver Springs, MD 20904-1980

Odenton (2-016-01) Betson Court MDD 982678385
(\$52,050) (0) Odenton, MD 21230

STATE OF MINNESOTA

Cloquet (5-050-01) 1302 18th Street MND 000686170
(\$52,050) (0) Cloquet, MN 55720

St. Paul (5-103-01) 180 Ryan Drive MND 000823823
(\$10,000) (0) St. Paul, MN 55117

Blaine (5-103-01) Lot 1 and Hokanson Ind. Park MND 981953045
(\$52,050) (0) Isanti St. NE
Blaine, MN 55434

Eagan AC (5-103-02) 3227 Terminal Drive MND 981097884
(\$171,765) (0) Eagan, MN 55121

Burnsville (5-103-02) 1401 Cliff Rd. MND 000686188
(\$60,000) (0) Burnsville, MN 55337

STATE OF MISSISSIPPI

Jackson (6-078-01) 120 Richardson Drive MSD 000776765
(\$52,050) (0) Jackson, MS 39209

Southaven AC (0-007-44) 7217 Airways Avenue MSD 981030894
(\$171,765) (0) Southaven, MS 38671

STATE OF MISSOURI

Blue Springs (5-085-02) 24016 East 40 Highway MOD 000669077
(\$190,000) (0) Blue Springs, MO 64015

Cape Girardeau (5-030-01) Route 2, Box 549-D MOD 000669051
(\$120,000) (0) Cape Girardeau, MO 63701

Columbia (\$90,000)	(5-042-01) (0)	610 Big Bear Blvd. Columbia, MO 65201	MOD 980971626
St. Charles (\$90,000)	(5-160-03) (0)	4526 Towne Court, Lot #22 Harvestowne Industrial Park St. Charles, MO 63301	MOD 095486312
Springfield (\$137,000)	(6-193-02) (0)	734 Northwest Bypass 66 Springfield, MO 65802	MOD 000669069
Independence AC (\$175,000)	(5-085-02) (0)	901 Yuma Independence, MO 64056	MOD 980973564
Holnam/Safety-Kleen - Clarksville, MO (\$341,500)	(0)	Hwy. 79 North P.O. Box 456 Clarksville, MO 63336	MOD 029729688

STATE OF NEBRASKA

Gering (\$52,050)	(6-052-03) (0)	RR 1, Box 15E Gering, NE 69341	NED 000687178
Grand Island (\$65,000) (40,600)	(5-065-01)	Highway 281 South Behind Grand Island Dodge Grand Island, NE 68801	NED 000687186
Grand Island (\$90,000)	(5-065-01) (0)	2700 W. 2nd Avenue Grand Island, NE 68801	NED
Omaha (\$65,000)	(5-127-01) (0)	14564 Grover Street Omaha, NE 68144	NED 020185138
Omaha AC (\$195,621)	(5-127-01) (0)	Lamont & 139th St. Omaha, NE 68144	NED 981495724

STATE OF NEVADA

North Las Vegas (\$52,050)	(7-087-01) (0)	1655 Stocker Street North Las Vegas, NV 89030	NVD 007096761
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STATE OF NEW YORK

Avon AC (\$230,000)	(2-028-02) (0)	1525 West Henrietta Road Avon, NY 14414	NYD 980753784
Colonie (\$85,000)	(2-004-01) (0)	Green Mountain Drive Colonie, NY 12110	APPLIED FOR
Congers (\$85,000)	(2-118-01) (0)	68 North Harrison Avenue Congers, NY 10920	NYD 000708164
Amityville (\$85,000)	(2-118-08) (0)	80 Seabro No. Amityville, NY 11701	NYD 000708198
Latham (\$85,000)	(2-004-01) (0)	72 Sicker Road Latham, NY 12110	NYD 000708206

Mattydale (\$85,000)	(0)	(2-187-01)	Factory & Mitchell P.O. Box 56 Mattydale, NY 13211	NYD 000824581
Lackawanna (\$85,000)	(0)	(2-028-01)	75 N. Gates Avenue P.O. Box A Lackawanna, NY 14218	NYD 981556541
Thornwood (\$85,000)	(0)	(2-118-05)	9 Walnut Place Thornwood, NY 10594	NYD 000708172
Waverly (\$85,000)	(0)	(2-074-01)	Route 34 North Road #1 Waverly, NY 14892	NYD 000708156
Woodside (\$85,000)	(0)	(2-118-06)	58-05 52nd Avenue Woodside, NY 11377	NYD 980785760

STATE OF NORTH CAROLINA

Charlotte (\$90,000)	(0)	(3-031-01)	2320 Yadkin Avenue Charlotte, NC 28205	NCD 079060059
Raleigh (\$90,000)	(0)	(3-171-01)	Sommerville Industrial Building Route 3, 6225 Old State Road Raleigh, NC 27603	NCD 000776740
High Point AC (\$230,000)	(0)	(3-064-01)	High Point Building, Inc. Mendenhall Road High Point, NC 27263	NCD 077840148
St. Pauls (\$90,000)	(0)	(3-031-02)	Hwy. 301 North St. Pauls, NC 28384	NCD 980846935

STATE OF NORTH DAKOTA

Fargo (\$52,050)	(0)	(1-183-03)	1537-1/2 First Avenue South Fargo, ND 58103	NDD 000716738
Bismarck (\$52,050)	(0)	(1-183-23)	3704 Saratoga Bismarck, ND 58501	NDD 980957070

STATE OF OHIO

Kent (\$175,000)	(0)	(4-040-03)	4341 Mogadore Road Kent, OH 44240	OHD 981099401
Brunswick (\$260,000)	(0)	(4-040-02)	1169 Industrial Parkway Brunswick, OH 44212	OHD 000720987
Hamilton (\$200,000)	(0)	(4-037-01)	4579 Port Union Road Hamilton, OH 45011	OHD 084750579
Hebron Recycle Center (\$835,000)	(0)		581 Milliken Drive SE Hebron, OH 43025	OHD 980587364
Groveport (\$60,000)	(0)	(4-046-01)	4465 Marketing Place Groveport, OH 43125	OHD 981000664

Oregon (\$200,000)	(0)	(4-190-01)	161 North Lallendorf Oregon, OH 43616	OHD 000721001
Tallmadge (\$200,000)	(0)	(4-040-03)	2929 Mogadore Road Tallmadge, OH 44278	OHD 000720136
Warrensville Heights (\$60,000)	(0)	(4-040-01)	26309 Miles Road, Unit M1 Warrensville Heights, OH 44128	OHD 000810275
Tipp City (\$60,000)	(0)	(4-037-02)	4205 Lisa Drive Tipp City, OH 45371	OHD 980683155
Toledo (\$60,000)	(0)	(4-190-01)	5148 Tractor Road Toledo, OH 43616	OHD 981097876
Youngstown (\$60,000)	(0)	(4-196-01)	1171-1/2 N. Meridian Road Youngstown, OH 44509	OHD 980990162
Sharonville (\$60,000)	(0)	(4-037-01)	11919 Tramway Drive Sharonville, OH 45241	OHD 981187313

STATE OF OKLAHOMA

Wheatland (\$52,050)	(0)	(6-124-01)	7825 State Hwy. 152 Wheatland, OK 73097-0128	OKD 980878474
Tulsa (\$122,000)	(0)	(6-193-01)	16215 East Marshall Street Tulsa, OK 74138	OKD 000763821

STATE OF OREGON

Springfield (\$100,000)	(0)	(7-054-01)	550 Shelley Street Space C & D Springfield, OR 97477	ORD 000712067
Clackamas (\$100,000)	(0)	(7-148-01)	11843 SE Highway 212 Clackamas, OR 97015	ORD 092895481
Clackamas AC (\$150,000)	(0)	(7-148-01)	16540 SE 130th Street Clackamas, OR 97015	ORD 981766124

PUERTO RICO

Safety-Kleen Envirosystems Company of Puerto Rico, Inc. - Manati (\$350,000)	(0)		KM 51, Hwy. 2 (P.O. Box 1098) Manati, PR 00704	PRD 090399718
Safety-Kleen Envirosystems of Puerto Rico, Inc. - Dorado (\$90,000)	(0)		KM 267, Hwy. 2 Dorado, PR 00646	PRD 031132421

STATE OF SOUTH CAROLINA

Greer (\$7,000)	(0)	(3-066-01)	Old Gilreath Road Greer, SC 29651	SCD 981031040
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Bristol (\$52,050)	(0)	(3-026-01)	2146 King Mill Road Bristol, VA 24201	VAD 981042955
Chesapeake (\$52,050)	(0)	(3-121-01)	4545 Bainbridge Blvd. Chesapeake, VA 23320	VAD 000737346
Chester (\$52,050)	(0)	(3-154-01)	1200 West 100 Road Chester, VA 23831	VAD 981043011
Vinton (\$52,050)	(0)	(3-155-01)	Route 24 East of Vinton at O'Neal Drive Vinton, VA 24179	VAD 000737361

STATE OF WASHINGTON

Auburn (\$70,000)	(40,600)	(1-181-01)	3210 C Street NE, Unit G Auburn, WA 98002	WAD 000712059
Lynwood (\$70,000)	(40,600)	(7-092-01)	6303 212th Street SW, Suite C Lynwood, WA 98036	WAD 000712042
Pasco (\$70,000)	(0)	(1-183-02)	814 E. Ainsworth Pasco, WA 99301	WAD 980978746
Spokane (\$70,000)	(40,600)	(1-183-01)	9516 East Montgomery, Unit 16 Spokane, WA 99206	WAD 000712034

STATE OF WEST VIRGINIA

Nitro (\$52,050)	(40,600)	(4-075-02)	Rock Branch Industrial Park Nitro, WV 25143	WVD 000737387
Fairmont (\$92,000)	(3,000,000)	(4-145-23)	345 Locust Fairmont, WV 26554	WVD 980510895
Wheeling (\$52,050)	(0)	(4-145-03)	10 Industrial Park Dr. Wheeling, WV 26003 Waukesha, WI 53186	WVD 981034101
Eleanor (\$52,050)	(0)	(4-075-02)	Route 62 Eleanor, WV 25070	WVD 988767893

TOTALS FOR PARAGRAPH #3
\$29,406,130 \$11,117,100

Closure Post-Closure

REVISED PERMIT PAGES

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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 the product quality. The following section summarizes the waste analyses practiced at the recycle center for the hazardous materials returned from the Farmington Branch. For each shipment of each waste type stored at the branch, at least the following analyses must be performed and copies of the results must be maintained at the branch office for the life of this Permit:

Mineral Spirits

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

If either of these tests give unacceptable results, the Farmington 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:

- o Volatile Organics Analysis, using U.S. EPA Methods 8010, 8015, 8020, and 8120, or approved equivalents. See Table 1 [July 1, 1992]
- o Physical appearance
- o Specific gravity
- o pH
- o Bottom sediment and water
- o 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, a full Toxicity Characteristic Leaching Procedure (TCLP)

analysis for all 40 constituents will be performed on a representative sample of mineral spirits solvent from the Farmington branch at least once each calendar year.

Mineral Spirits Tank Bottom Sludge and Free Water

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

As described above for mineral spirits solvent, a full TCLP analysis will be performed on a representative sample at least once each calendar year.

Immersion Cleaner Solvent

- o Flash point

If either of these tests yields unacceptable results, the 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:

- o Physical appearance
- o Specific gravity
- o [Request that pH be deleted; new formula is petroleum-based; pH is not a critical parameter; July 1, 1992]
- o Percentage of water
- o Volatile Organic Analysis (using EPA methods 8010, 8015, 8020, 8120, or approved equivalents). See Table 1 [July 1, 1992].

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 will be performed on a representative sample of immersion cleaner at least once each calendar year.

Dry Cleaning Solvent/Still Bottoms

- o Physical appearance
- o [Request that the only volatile organic compound analyzed is perchloroethylene because it is the only VOC present; July 1, 1992]
- o Specific gravity
- o [Request that pH be deleted because it is not a critical parameter; July 1, 1992]

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 analysis will be performed on a representative sample of dry cleaning waste at least once each calendar year.

TABLE 1
COMPOUNDS FOR
VOLATILE ORGANIC ANALYSIS

- o FMF (freon)
- o 1,1,1-Trichloroethane
- o 1,1,2-Trichloroethane
- o Paradichlorobenzene
- o 1,2,4-Trichlorobenzene Sulfonic Acid (TCBS)
- o FTF (freon)
- o Carbon Tetrachloride
- o Perchloroethylene
- o Orthodichlorobenzene
- o 1,2,3-TCBS
- o Toluene
- o Methylene Chloride
- o Trichloroethylene
- o Metadichlorobenzene
- o 1,3,5-TCBS
- o Mineral Spirits
- o Benzene