

WASTEWATER STREAM
CHARACTERIZATION FOR
TA-3-30, 31, 374, 463, 516, 529,
1675, 2025, 2120, 2121, 2156, 2168,
and 3587

ENVIRONMENTAL STUDY

prepared for:
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EXECUTIVE SUMMARY

Buildings 30, 31, 374, 463, 516, 529, 1675, 2025, 2120, 2121, 2156, 2168 and 3587 in TA-3 were visited to document all drain piping and building outflows and to make permitting recommendations. The pipes exiting the building are as follows:

1. from building 3-30: three sanitary sewer connections, five fire line drains, four condensed water drains, two roof drains, one restroom exhaust vent, one abandoned air intake, one unpermitted discharge to daylight and four sink drains capped at the exterior wall,
2. from building 3-31: one sanitary sewer connection, four fire line drains, two condensed water drains, one roof drain, one water heater pressure relief valve drain, one restroom exhaust vent, one secondary containment trench drain and one potable water backflow preventer drain,
3. from buildings 3-374, 529, 1675, 2120, 2121, 2156, 2168 and 3587: no water supplies and drains,
4. from building 3-463: one sanitary sewer connection, one water heater pressure relief valve drain and three condensed water drains,
5. from building 3-516: one sanitary sewer connection to holding tank, two condensed water drains and two water heater pressure relief valve drains,
6. from building 3-2025: one sanitary sewer connection to a holding tank and two condensed water drains.

Building TA-3-374 is currently being used for empty drum storage. Although this building is provided with some secondary containment, it is recommended that hazardous type materials or chemicals never be stored in this building.

Recommendations for repiping are provided to allow outfall consolidation to minimize permit maintenance requirements and to bring the facility into compliance with the laboratory's NPDES Permit. Floor drain plugging is recommended where the potential of discharge of pollutants exists.

A Waste Stream Database has been prepared listing the waste water and flow rate for each outfall.

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1.0 INTRODUCTION

During September, 1992, Mark E. Wendt of Santa Fe Engineering (SFE) toured buildings 30, 31, 374, 463, 516, 529, 1675, 2025, 2120, 2121, 2156, 2168, and 3587 in TA-3. The purpose of this study is to identify building drain piping, locate outfalls which discharge into the environment or collection systems and to characterize the wastewater flows and sources existing at the time of the visit. This report will not reflect any subsequent changes in piping or operations. The Waste Stream Characterization Policy of September 10, 1992 was followed for this study. The following tasks were performed for this purpose:

1. Building drains and all piping exiting the building were identified and laid out in schematic form;
2. Wastewater sources were identified at each drain and the wastewater was characterized according to the flow rate and quality. The location of outfalls and their potential sources of discharges were determined. Potential pollutants were also noted;
3. Permit applications for discharges of clean water were not prepared since these discharges do not require permitting at this time and
4. Potential problems were identified and recommendations were made for repiping, floor drain plugging and spill containment where deemed appropriate.

The field investigation proceeded by verifying drain schematic drawings prepared by SFE for the appropriate

buildings (Figures 1 through 8) from drawings provided by Los Alamos National Laboratory (LANL) Facilities Engineering Division. The other buildings were visited to insure that no drains exist for the buildings. The following process was used to define drain piping and characterize the wastewater streams:

1. Laboratory engineering drawings were used to prepare the SFE drain piping schematic. The Solid Waste Stream Characterization conducted by IT Corporation was reviewed. The National Pollutant Discharge Elimination System Permit (NPDES), the 1990 NPDES Permit Application submitted by Los Alamos National Laboratory (LANL) in September, 1990, the latest Federal Facilities Compliance Agreement (FFCA) between the Department of Energy (DOE) and the Environmental Protection Agency (EPA) and the Administrative Order (AO) Docket Number V1-92-1306 issued by EPA to the University of California were used for reference;
2. A site visit was performed to verify the SFE drain schematics and to identify potential outfall pipes exiting the building. The visit entailed a room by room inspection of wastewater sources and drains. Interviews with site personnel were conducted to assist in wastestream characterization and
3. SFE verified drain piping by dye checking.

2.0 FIELD INVESTIGATION

The pipes exiting the building have been assigned an Outlet Piping Number. The four part number, sequentially, identifies the Technical Area where the pipe is located, the building from which the pipe discharges, the letters OPN to indicate that it is an outlet piping number and the unique number for the pipe. The piping exiting the building will be labeled for easy identification in the future.

Each drain has a unique identification number. Each number consists of three parts. The first part is the floor the drain is on. The second part has letters that indicate the drain type (abbreviations used are summarized in Table 6). The final part is a unique number for each drain. For example, the floor drain numbering on the first floor would start with 1FD1. The roof drains do not have the number identifying the floor such as RD1 for Roof Drain 1.

The function of each pipe exiting from buildings are listed in Appendix 1, Tables 1 through 5, with non-drain recommendations in Table 6 and an abbreviations list in Table 7. Appendix 2 contains the wastestream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. A completed EPA form 2D for outfall 3-30-OPN-13 and complete chemical inventory lists for building TA-3-31 storage rooms 8, 9, loading dock 119 and the graphics storage area located in the northeast corner of room 100 are in Appendix 3. Appendix 4 provides information about the dye study of building drains. Flow schematics of the drains from each building and the Sewage Treatment Plant are attached in Appendix 5 as Figures 2 through 8. A Site Plan is included in Appendix 5 as Figure 1 illustrating the locations of buildings included in this report.

3.0 RECOMMENDATIONS FOR BUILDING 3-30

Table 1 is a list of the drains to the building outfalls and Figures 2 and 3 are schematics of the piping. The table lists the drains that connect to the outfall pipe and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

3.1 Outfall 3-30-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the TA-3 sewage collection system. No chemicals are drained into any of the drains or fixtures. It is recommended that floor drain 1FD9 in the paint room be permanently plugged. It is also recommended that sink drains 1SD6 in the paint room and 1SD7 in the machine shop be clearly labeled "SANITARY WASTE ONLY - NO CHEMICAL DISPOSAL". The operating group should prepare and post Standard Operating Procedures (SOP's) that prohibit the disposal of paint, machine oils, thinners or cleaners into these sink drains. No permitting is recommended for this outfall and no EPA forms have been prepared.

3.2 Outfall 3-30-OPN-2

This outfall is from sanitary facilities and flows into a sewer manhole which drains to TA-3 sewage collection system. No chemicals are drained to any of the drains or fixtures. Cup drain 1CD1, located in room 111, is not being used. It is recommended this drain be plugged and that the cold water supply line located above the cup drain be capped. No permitting is recommended. No EPA forms were prepared.

3.3 Outfall 3-30-OPN-3

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the TA-3 sewage collection system. No chemicals are drained into any of the drains or fixtures. Floor sink BFS1, located in the basement mechanical room B100, is clogged with debris. A thorough cleaning of this drain is recommended. It is also recommended that the floor area surrounding the three air compressor units be cleaned of old oil blow-off debris accumulated prior to the re-routing of the blow-off lines to the oil/water separator. No permitting is recommended. No EPA forms were prepared.

3.4 Outfall 3-30-OPN-4

This outfall drains condensed water from a mechanical cooling unit to daylight next to the building. This outfall should be covered by a Notice Of Intent To Discharge (NOI). No piping changes are recommended. No EPA forms were completed.

3.5 Outfalls 3-30-OPN-5, 3-30-OPN-6, 3-30-OPN-8, 3-30-OPN-9 and 3-30-OPN-10

This outfall is a fire water system drain which discharges to daylight next to the building. This outfall should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

3.6 Outfall 3-30-OPN-7

This discharge is from a restroom exhaust fan and exhausts to the atmosphere next to the building. No piping or ducting changes are recommended. No EPA forms were prepared.

3.7 Outfall 3-30-OPN-11

This outfall is from roof drains on the building. The downspout discharges storm water to daylight into Two Mile Canyon. No permitting or changes are recommended for this outfall and no EPA forms have been prepared.

3.8 Outfall 3-30-OPN-12

This outlet is an abandoned pipe extruding through the wall. Plugging of this pipe is recommended. No permitting is recommended and no EPA forms were prepared.

3.9 Outfall 3-30-OPN-13

This outfall receives flow from roof drains, two sink drains and one fire line drain and discharges to daylight into Two Mile Canyon. One of the sinks is located in room W113A, the other is located in room W113B. These two sinks each receive discharge from a water backflow preventer drain. It is recommended the two sinks be removed and waste and water lines be capped. Each of the two water backflow preventer drain lines should be re-routed to drain to daylight next to the building and should be covered by an NOI. The one fire line drain discharges into a roof drain riser pipe located at the southeast corner of the building in room 137. This outfall should be separated and covered by an NOI. The roof drains should remain as a separate, storm water only outfall. No permitting is recommended for this outfall, however, an EPA form 2D has been prepared and is contained in Appendix 3.

3.10 Outfalls 3-30-OPN-14, 3-30-OPN-15, 3-30-OPN-16 and 3-30-OPN-17

These outfalls are from four fume hood sinks previously used to drain contaminated vacuum pump oil into 55-gallon drums for proper disposal by EM-7. These sinks are located in the vacuum pump repair room W113B and are no longer in use. The outfall pipes are capped at the exterior wall. Removal of the four sinks and capping of the water piping is recommended. No permitting is recommended for these outfalls and no EPA forms were completed.

3.11 Outfall 3-30-OPN-18

This outfall discharges condensed water from a mechanical cooling coil located in attic space above room W111A to daylight next to the building. This outfall should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

3.12 Outfalls 3-30-OPN-19 and 3-30-OPN-20

These outfalls drain untreated water from two evaporative coolers to daylight onto roof of the building. These outfalls should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

4.0 RECOMMENDATIONS FOR BUILDING 3-31

Table 2 is a list of the drains to building outfalls and Figures 4 and 5 are schematics of the piping. The table lists the drains that connect to the outfall pipe and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

Loading dock area 119 and storage rooms 8 and 9 located at the east side of the building and the graphics storage area located at the northeast corner of room 100 are used for temporary storage of numerous hazardous chemicals prior to shipment to the various user groups at the laboratory. It is recommended that secondary containment pallets be used for barrel storage in dock area 119. The exact quantity of secondary containment pallets required will vary according to the amount of chemicals stored at any one time. Room 8 and the chemical storage vault, room 9, should be provided with secondary containment for all hazardous materials stored within. It is recommended that the graphics storage area be provided with secondary containment for all hazardous chemicals stored in this area. See Appendix 3 for a complete listing of the chemicals present in each of the two rooms, 8 and 9, the loading dock area 119 and the graphics storage area, this listing is taken from the August, 1992 VWR IPS chemical inventory list obtained from Michael Doyon, Operations Manager for VWR Scientific.

4.1 Outfall 3-31-OPN 1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the TA-3 sewage collection system. No chemicals are drained into any of the drains or fixtures. No permitting is recommended for this outfall and no EPA forms have been prepared.

4.2 Outfalls 3-31-OPN-2, 3-31-OPN-3, 3-31-OPN-4 and 3-31-OPN-7

These outfalls are fire water system drains which discharge to daylight next to the building. These outfalls should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

4.3 Outfall 3-31-OPN-5

This outfall drains condensed water from a mechanical cooling unit to daylight on loading dock 119. This outfall should be covered by an NOI. No piping changes are recommended. No EPA forms have been prepared.

4.4 Outfall 3-31-OPN-6

This outfall is from roof drains on the building. The discharge pipe drains to daylight into Two Mile Canyon. No permitting or changes are recommended for this outfall and no EPA forms have been prepared.

4.5 Outfall 3-31-OPN-8

This outfall is from a secondary containment trench located exterior of the building on the west side next to a concrete deck. This trench has a valved drain pipe with is manually operated and drains to daylight on to the parking lot. This valve is closed at all times except to drain storm water from the trench. It is recommended this valve be provided with a lockout/tagout seal to avoid unauthorized operation. Any operation of this valve and/or discharge of liquid from this secondary containment area shall be done in accordance with the LANL controlled document entitled "Spill Prevention Control and Countermeasures Plan", Revision 3, September 1993, Sections 4.6.1.3 and 4.6.1.4. It is also recommended that no hazardous chemicals be stored on the above mentioned concrete dock as was done in the past. No permitting is recommended for this outfall. No EPA forms were prepared.

4.6 Outfall 3-31-OPN-9

This outfall drains condensed water from a mechanical cooling unit to daylight next to the building. This outfall

should be covered by an NOI. No piping changes are recommended. No EPA forms have been prepared.

4.7 Outfall 3-31-OPN-10

This outfall discharges potable water from a backflow preventer valve to daylight next to the building. This outfall should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

4.8 Outfall 3-31-OPN-11

This discharge is from a restroom exhaust fan and exhausts to the atmosphere next to the building. No piping or ducting changes and no permitting are recommended. No EPA forms were prepared.

4.9 Outfall 3-31-OPN-12

This outfall discharges from a water heater pressure relief valve to daylight next to the building. This outfall should be covered by an NOI. No changes are recommended for this outfall and no EPA forms have been prepared.

5.0 RECOMMENDATIONS FOR BUILDINGS 3-374, 529, 1675, 2120, 2121, 2156, 2168, AND 3587

Buildings 3-374, 529, 1675, 2120, 2121, 2156, 2168 and 3587 do not have drains or any source of water. Building 3-374 is currently being used for empty barrel storage. Although this building is provided with some secondary containment, we recommend that hazardous type materials or chemicals never be stored in this building. No changes or permitting are recommended. No EPA forms were prepared.

6.0 RECOMMENDATIONS FOR BUILDING 3-463

Table 3 is a list of the drains to the building outfalls and Figure 6 is a schematic of the piping. The table lists the drains that connect to the outfall pipe and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

6.1 Outfall 3-463-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the TA-3 sewage collection system. No chemicals are drained into any of the drains or fixtures. No permitting or changes are recommended for this outfall and no EPA forms have been prepared.

6.2 Outfall 3-463-OPN-2

This outfall discharges from a water heater pressure relief valve to daylight next to the building. This outfall should be covered by an NOI. No changes are recommended for this outfall and no EPA forms have been prepared.

6.3 Outfall 3-463-OPN-3

This outfall drains condensed water from a mechanical cooling unit to daylight next to the building. This outfall should be covered by an NOI. No piping changes are recommended. No EPA forms have been prepared.

6.4 Outfalls 3-463-OPN-4 and 3-463-OPN-5

These outfalls drain untreated water from two evaporative coolers to daylight onto the roof of the building. These

outfalls should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

7.0 RECOMMENDATIONS FOR BUILDING 3-516

Table 4 is a list of the drains to the building outfalls and Figure 7 is a schematic of the piping. The table lists the drains that connect to the outfall pipe and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

7.1 Outfall 3-516-OPN-1

This outfall is from sanitary facilities and flows to a sewage holding tank located below grade at the west side of the building next to the street. This holding tank is periodically pumped out into a portable tank and disposed of at the TA-46 Sanitary Waste System Consolidation (SWSC) Plant. This building is to be connected to the SWSC Plant in the near future. After connection to the SWSC, the sanitary sewage holding tank should be decommissioned per procedures defined by the Lab septic system action plan. No chemicals are drained into any of the drains or fixtures. No permitting or changes are required for this outfall and no EPA forms have been prepared.

7.2 Outfalls 3-516-OPN-2 and 3-516-OPN-4

These outfalls drain condensed water from mechanical cooling coils to daylight next to the building. These outfalls should be covered by an NOI. No piping changes are recommended. No EPA forms were completed.

7.3 Outfalls 3-516-OPN-3 and 3-516-OPN-5

These outfalls discharge from water heater pressure relief valves to daylight next to the building. These outfalls should be covered by an NOI. No changes are recommended for these outfalls and no EPA forms have been prepared.

8.0 RECOMMENDATIONS FOR BUILDING 3-2025

Table 5 is a list of the drains to the building outfall and Figure 8 is a schematic of the piping. The table lists the drains that connect to the outfall pipe and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

8.1 Outfall 3-2025-OPN-1

This outfall is from sanitary facilities and flows to a sewage holding tank located below grade to the south of the building next to the street. This holding tank is periodically pumped out into a portable tank and disposed of. This building is to be connected to the SWSC Plant in the near future. After connection to SWSC, decommission the sewage holding tank per Lab policy. No chemicals are drained into any of the drains or fixtures. No permitting or changes are required for this outfall and no EPA forms have been prepared.

8.2 Outfalls 3-2025-OPN-2 and 3-2025-OPN-3

These outfalls drain condensed water from mechanical cooling units to daylight next to the building. These outfalls should be covered by an NOI. No piping changes are recommended. No EPA forms have been prepared.

9.0 CONCLUSION

This document provides the information to characterize buildings 30, 31, 374, 463, 516, 529, 1675, 2025, 2120, 2121, 2156, 2168 and 3587 of TA-3. Outfalls reported can be categorized as follows:

EPA Form 2D:

1. 3-30-OPN-13

Areas that do not have any drains:

- | | | | |
|-----------|-----------|-----------|-----------|
| 1. 3-374 | 2. 3-529 | 3. 3-1675 | 4. 3-2120 |
| 5. 3-2121 | 6. 3-2156 | 7. 3-2168 | 8. 3-3587 |

Discharges to TA-3 Sewage Collection System:

- | | | |
|---------------|----------------|---------------|
| 1. 3-30-OPN-1 | 2. 3-30-OPN-2 | 3. 3-30-OPN-3 |
| 4. 3-31-OPN-1 | 5. 3-463-OPN-1 | |

Discharges to an underground sanitary sewer holding tank (SF 900022):

- | | |
|----------------|-----------------|
| 1. 3-516-OPN-1 | 2. 3-2025-OPN-1 |
|----------------|-----------------|

Discharge from the fire system:

- | | | |
|---------------|----------------|---------------|
| 1. 3-30-OPN-5 | 2. 3-30-OPN-6 | 3. 3-30-OPN-8 |
| 4. 3-30-OPN-9 | 5. 3-30-OPN-10 | 6. 3-31-OPN-2 |
| 7. 3-31-OPN-3 | 8. 3-31-OPN-4 | 9. 3-31-OPN-7 |

Discharges of condensed water:

- | | | |
|----------------|-----------------|-----------------|
| 1. 3-30-OPN-4 | 2. 3-30-OPN-18 | 3. 3-31-OPN-5 |
| 4. 3-31-OPN-9 | 5. 3-463-OPN-3 | 6. 3-516-OPN-2 |
| 7. 3-516-OPN-4 | 8. 3-2025-OPN-2 | 9. 3-2025-OPN-3 |

Discharges of condensed water from evaporative coolers:

- | | | |
|----------------|----------------|----------------|
| 1. 3-30-OPN-19 | 2. 3-30-OPN-20 | 3. 3-463-OPN-4 |
| 4. 3-463-OPN-5 | | |

Storm water discharges:

1. 3-30-OPN-11
2. 3-30-OPN-13
3. 3-31-OPN-6

Discharges from hot water heaters:

1. 3-31-OPN-12
2. 3-463-OPN-2
3. 3-516-OPN-3
4. 3-516-OPN-5

Discharges from equipment exhaust:

1. 3-30-OPN-7
2. 3-31-OPN-11

Discharge from secondary containment:

1. 3-31-OPN-8

Miscellaneous discharges:

1. 3-30-OPN-12
2. 3-30-OPN-14
3. 3-30-OPN-15
4. 3-30-OPN-16
5. 3-30-OPN-17
6. 3-31-OPN-10

Recommended corrective actions are outlined in Tables 1 through 5 as well as in the above text. Corrective action should be performed as soon as practicable to minimize the chance of unpermitted discharge of pollutants.

TABLE 1: TA 3-30 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-30-OPN-1 SANITARY	1ED1	CONDENS. WATER	W131A	NO CHANGE	NO
	1FD1	BATHROOM	W122D	NO CHANGE	
	1FD2	BATHROOM	W122D	NO CHANGE	
	1FD3	BATHROOM	W122D	NO CHANGE	
	1FD4	JANITOR'S CLOSET	104	NO CHANGE	
	1FD5	BATHROOM	W122E	NO CHANGE	
	1FD6	WATER HTR DRAIN	106	NO CHANGE	
	1FD7	BATHROOM	W122E	NO CHANGE	
	1FD8	BATHROOM	W122E	NO CHANGE	
	1FD9	PAINT ROOM	131C	PLUG	
	1FD10	EMERG. SHOWER	W131A	NO CHANGE	
	1FD11	EMERG. EYE WASH	W131A	NO CHANGE	
	1FD12	EMERG. EYE WASH	W131B	NO CHANGE	
	1LV1	BATHROOM	W122D	NO CHANGE	
	1LV2	BATHROOM	W122D	NO CHANGE	
	1LV3	BATHROOM	W122D	NO CHANGE	
	1LV4	BATHROOM	W122E	NO CHANGE	
	1LV5	BATHROOM	W122E	NO CHANGE	
	1LV6	BATHROOM	W122E	NO CHANGE	
	1SD3	CORRIDOR	N/A	NO CHANGE	
	1SD4	JANITOR'S CLOSET	104	NO CHANGE	
	1SD5	CORRIDOR	N/A	NO CHANGE	
	1SD6	PAINT ROOM	W131A	LABEL	
	1SD7	MACHINE SHOP	W131B	LABEL	
	1SH1	BATHROOM	W122D	NO CHANGE	
	1SH2	BATHROOM	W122D	NO CHANGE	
	1SH3	BATHROOM	W122E	NO CHANGE	
	1SH4	BATHROOM	W122E	NO CHANGE	
	1SH5	BATHROOM	W122E	NO CHANGE	
	1TL1	BATHROOM	W122D	NO CHANGE	
	1TL2	BATHROOM	W122D	NO CHANGE	
	1TL3	BATHROOM	W122D	NO CHANGE	
1TL4	BATHROOM	W122E	NO CHANGE		
1TL5	BATHROOM	W122E	NO CHANGE		

TABLE 1: TA 3-30 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-30-OPN-1 SANITARY CONT.	1TL6	BATHROOM	W122E	NO CHANGE	NO
	1UR1	BATHROOM	W122E	NO CHANGE	
	1UR2	BATHROOM	W122E	NO CHANGE	
	1WF1	CORRIDOR	N/A	NO CHANGE	
	1WF2	CORRIDOR	N/A	NO CHANGE	
3-30-OPN-2 SANITARY	1CD1	BREAK ROOM	111	PLUG	NO
	1SD8	CLASSROOM	118A	NO CHANGE	
	1WF3	BREAK ROOM	111	REMOVED	
	1WF4	OFFICE AREA	116	NO CHANGE	
3-30-OPN-3 SANITARY	BFD1	WATER HTR DRAIN	B100	NO CHANGE	NO
	BFD2	HTG. WATER DRAIN	B100	NO CHANGE	
	BFD3	HTG. WATER DRAIN	B100	NO CHANGE	
	BFD4	WATER BFP DRAIN	B100	NO CHANGE	
	BFS1	CLG. COIL DRAIN	B100	CLEAN DRAIN	
	BSLS1	MECHANICAL RM.	B100	NO CHANGE	
	1CD2	WATER HTR DRAIN	133T	NO CHANGE	
	1EW1	EMERG. EYE WASH	131	NO CHANGE	
	1FD13	LOCKER ROOM	127	NO CHANGE	
	1FD14	RESTROOM	126	NO CHANGE	
	1FD15	LOCKER ROOM	129	NO CHANGE	
	1FD16	RESTROOM	130	NO CHANGE	
	1FD17	BATHROOM	133S	NO CHANGE	
	1LV7	RESTROOM	126	NO CHANGE	
	1LV8	RESTROOM	126	NO CHANGE	
	1LV9	RESTROOM	126	NO CHANGE	
	1LV10	LOCKER ROOM	129	NO CHANGE	
	1LV11	LOCKER ROOM	129	NO CHANGE	
	1LV12	RESTROOM	130	NO CHANGE	
	1LV13	RESTROOM	130	NO CHANGE	
	1LV14	BATHROOM	133S	NO CHANGE	
	1LV15	RESTROOM	133P	NO CHANGE	
1LV16	RESTROOM	133P	NO CHANGE		
1SD9	JANITOR'S CLOSET	128	NO CHANGE		
1SD10	BREAK ROOM	123	NO CHANGE		

TABLE 1: TA 3-30 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-30-OPN-3 SANITARY CONT.	1SD11	CORRIDOR	133T	REMOVED	NO
	1SD12	JANITOR'S CLOSET	133Q	NO CHANGE	
	1TL7	RESTROOM	126	NO CHANGE	
	1TL8	RESTROOM	126	NO CHANGE	
	1TL9	RESTROOM	126	NO CHANGE	
	1TL10	RESTROOM	130	NO CHANGE	
	1TL11	RESTROOM	130	NO CHANGE	
	1TL12	RESTROOM	130	NO CHANGE	
	1TL13	BATHROOM	133S	NO CHANGE	
	1TL14	RESTROOM	133P	NO CHANGE	
	1TL15	RESTROOM	133P	NO CHANGE	
	1UR3	RESTROOM	130	NO CHANGE	
	1UR4	RESTROOM	130	NO CHANGE	
	1UR5	RESTROOM	130	NO CHANGE	
	1UR6	BATHROOM	133S	NO CHANGE	
1WF5	WAREHOUSE AREA	131	NO CHANGE		
1WF6	CORRIDOR	133T	NO CHANGE		
3-30-OPN-4	N/A	CONDENS. WATER	EXTER.	NOI	NO
3-30-OPN-5	N/A	FIRE LINE DRAIN	N/A	NOI	NO
3-30-OPN-6	N/A	FIRE LINE DRAIN	N/A	NOI	NO
3-30-OPN-7	N/A	EXHAUST FAN	133P	NO CHANGE	NO
3-30-OPN-8	N/A	FIRE LINE DRAIN	135Q	NOI	NO
3-30-OPN-9	N/A	FIRE LINE DRAIN	135Q	NOI	NO
3-30-OPN-10	N/A	FIRE LINE DRAIN	W126H	NOI	NO
3-30-OPN-11 DAYLIGHT	RD1	ROOF	EXTER.	NO CHANGE	NO
	RD2	ROOF	EXTER.	NO CHANGE	
	RD3	ROOF	EXTER.	NO CHANGE	
	RD4	ROOF	EXTER.	NO CHANGE	
	RD5	ROOF	EXTER.	NO CHANGE	
	RD12	ROOF	EXTER.	NO CHANGE	
	RD13	ROOF	EXTER.	NO CHANGE	
	RD14	ROOF	EXTER.	NO CHANGE	
	RD15	ROOF	EXTER.	NO CHANGE	
RD22	ROOF	EXTER.	NO CHANGE		

TABLE 1: TA 3-30 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-30-OPN-11 DAYLIGHT CONT.	RD23	ROOF	EXTER.	NO CHANGE	NO
	RD24	ROOF	EXTER.	NO CHANGE	
	RD25	ROOF	EXTER.	NO CHANGE	
	RD26	ROOF	EXTER.	NO CHANGE	
	RD30	ROOF	EXTER.	NO CHANGE	
	RD31	ROOF	EXTER.	NO CHANGE	
	RD32	ROOF	EXTER.	NO CHANGE	
	RD33	ROOF	EXTER.	NO CHANGE	
	RD41	ROOF	EXTER.	NO CHANGE	
	RD42	ROOF	EXTER.	NO CHANGE	
	RD43	ROOF	EXTER.	NO CHANGE	
	RD44	ROOF	EXTER.	NO CHANGE	
	RD45	ROOF	EXTER.	NO CHANGE	
	RD46	ROOF	EXTER.	NO CHANGE	
3-30-OPN-12	N/A	ABANDONED PIPE	N/A	PLUG	NO
3-30-OPN-13 DAYLIGHT	ISD1	WATER BFP DRAIN	W113A	REMOVE	YES
	ISD2	WATER BFP DRAIN	W113B	REMOVE	
	RD6	ROOF	EXTER.	NO CHANGE	
	RD7	ROOF	EXTER.	NO CHANGE	
	RD8	ROOF	EXTER.	NO CHANGE	
	RD9	ROOF	EXTER.	NO CHANGE	
	RD10	ROOF	EXTER.	NO CHANGE	
	RD11	ROOF	EXTER.	NO CHANGE	
	RD16	ROOF	EXTER.	NO CHANGE	
	RD17	ROOF	EXTER.	NO CHANGE	
	RD18	ROOF	EXTER.	NO CHANGE	
	RD19	ROOF	EXTER.	NO CHANGE	
	RD20	ROOF	EXTER.	NO CHANGE	
	RD21	ROOF	EXTER.	NO CHANGE	
	RD27	ROOF	EXTER.	NO CHANGE	
	RD28	ROOF	EXTER.	NO CHANGE	
	RD29	ROOF	EXTER.	NO CHANGE	
RD34	ROOF	EXTER.	NO CHANGE		
RD35	ROOF	EXTER.	NO CHANGE		

TABLE 1: TA 3-30 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-30-OPN-13 DAYLIGHT CONT.	RD36	ROOF	EXTER.	NO CHANGE	YES
	RD37	ROOF	EXTER.	NO CHANGE	
	RD38	ROOF	EXTER.	NO CHANGE	
	RD39	ROOF	EXTER.	NO CHANGE	
	RD40	ROOF	EXTER.	NO CHANGE	
	RD47	ROOF	EXTER.	NO CHANGE	
	RD48	ROOF	EXTER.	NO CHANGE	
	RD49	ROOF	EXTER.	SEARATE/NOI	
	RD50	ROOF	EXTER.	NO CHANGE	
3-30-OPN-14	1CSD1	VACUUM SYSTEMS	W113B	REMOVE	NO
3-30-OPN-15	1CSD2	VACUUM SYSTEMS	W113B	REMOVE	NO
3-30-OPN-16	1CSD3	VACUUM SYSTEMS	W113B	REMOVE	NO
3-30-OPN-17	1CSD4	VACUUM SYSTEMS	W113B	REMOVE	NO
3-30-OPN-18	N/A	CONDENS. WATER	W111A	NOI	NO
3-30-OPN-19	N/A	CONDENS. WATER	ROOF	NOI	NO
3-30-OPN-20	N/A	CONDENS. WATER	ROOF	NOI	NO

TABLE 2: TA 3-31 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-31-OPN-1 SANITARY	1FD1	WAREHOUSE AREA	100	NO CHANGE	NO
	1FD2	WAREHOUSE AREA	100	PLUGGED	
	1FD3	BREAK ROOM	104	NO CHANGE	
	1FD4	RESTROOM	113	NO CHANGE	
	1FD5	RESTROOM	116	NO CHANGE	
	1FS1	BREAK ROOM	104	PLUGGED	
	1FS2	BREAK ROOM	104	PLUGGED	
	1FS3	CONDENS. WATER	109	NO CHANGE	
	1FS4	DOCK AREA	119	PLUGGED	
	1FS5	WATER HTR DRAIN	118	NO CHANGE	
	1LV1	RESTROOM	113	NO CHANGE	
	1LV2	RESTROOM	113	NO CHANGE	
	1LV3	RESTROOM	116	NO CHANGE	
	1LV4	RESTROOM	116	NO CHANGE	
	1LV5	RESTROOM	100A	NO CHANGE	
	1SD1	WAREHOUSE AREA	100	NO CHANGE	
	1SD2	JANITOR'S CLOSET	118	NO CHANGE	
	1SD3	BREAK ROOM	112B	NO CHANGE	
	1TL1	RESTROOM	113	NO CHANGE	
	1TL2	RESTROOM	113	NO CHANGE	
	1TL3	RESTROOM	113	NO CHANGE	
	1TL4	RESTROOM	113	NO CHANGE	
	1TL5	RESTROOM	116	NO CHANGE	
	1TL6	RESTROOM	116	NO CHANGE	
	1TL7	RESTROOM	100A	NO CHANGE	
	1UR1	RESTROOM	116	NO CHANGE	
	1UR2	RESTROOM	116	NO CHANGE	
	1WF1	WAREHOUSE AREA	100	NO CHANGE	
	1WF2	WAREHOUSE AREA	101	REMOVED	
	1WF3	CORRIDOR	112	NO CHANGE	
3-31-OPN-2	N/A	FIRE LINE DRAIN	100	NOI	NO
3-31-OPN-3	N/A	FIRE LINE DRAIN	100	NOI	NO
3-31-OPN-4	N/A	FIRE LINE DRAIN	100	NOI	NO
3-31-OPN-5	N/A	CONDENS. WATER	119	NOI	NO

TABLE 2: TA 3-31 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-31-OPN-6 DAYLIGHT	RD1	ROOF	EXTER.	NO CHANGE	NO
	RD2	ROOF	EXTER.	NO CHANGE	
	RD3	ROOF	EXTER.	NO CHANGE	
	RD4	ROOF	EXTER.	NO CHANGE	
	RD5	ROOF	EXTER.	NO CHANGE	
	RD6	ROOF	EXTER.	NO CHANGE	
	RD7	ROOF	EXTER.	NO CHANGE	
	RD8	ROOF	EXTER.	NO CHANGE	
	RD9	ROOF	EXTER.	NO CHANGE	
	RD10	ROOF	EXTER.	NO CHANGE	
	RD11	ROOF	EXTER.	NO CHANGE	
	RD12	ROOF	EXTER.	NO CHANGE	
	RD13	ROOF	EXTER.	NO CHANGE	
	RD14	ROOF	EXTER.	NO CHANGE	
	RD15	ROOF	EXTER.	NO CHANGE	
	RD16	ROOF	EXTER.	NO CHANGE	
	RD17	ROOF	EXTER.	NO CHANGE	
	RD18	ROOF	EXTER.	NO CHANGE	
	RD19	ROOF	EXTER.	NO CHANGE	
	RD20	ROOF	EXTER.	NO CHANGE	
	RD21	ROOF	EXTER.	NO CHANGE	
3-31-OPN-7	N/A	FIRE LINE DRAIN	N/A	NOI	NO
3-31-OPN-8	ITD1	CONTAIN. DRAIN	EXTER.	LOCK/SOP	NO
3-31-OPN-9	N/A	CONDENS. WATER	EXTER.	NOI	NO
3-31-OPN-10	N/A	B.F.P. DRAIN	101	NOI	NO
3-31-OPN-11	N/A	EXHAUST FAN	100A	NO CHANGE	NO
3-31-OPN-12	IWH1	WATER HTR DRAIN	100	NOI	NO

TABLE 3: TA 3-463 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-463-OPN-1 SANITARY	1LV1	RESTROOM	108	NO CHANGE	NO
	1LV2	RESTROOM	102	NO CHANGE	
	1SD1	CORRIDOR	100B	NO CHANGE	
	1SD2	JANITOR'S CLOSET	104	NO CHANGE	
	1TL1	RESTROOM	108	NO CHANGE	
	1TL2	RESTROOM	102	NO CHANGE	
	1UR1	RESTROOM	108	NO CHANGE	
	1WF1	WORKROOM	107	NO CHANGE	
3-463-OPN-2	N/A	WATER HTR DRAIN	107A	NOI	NO
3-463-OPN-3	N/A	CONDENS. WATER	EXTER.	NOI	NO
3-463-OPN-4	N/A	CONDENS. WATER	ROOF	NOI	NO
3-463-OPN-5	N/A	CONDENS. WATER	ROOF	NOI	NO

TABLE 4: TA 3-516 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-516-OPN-1 SANITARY HOLDING TANK SF900022	1LV1	BATHROOM	106	NO CHANGE	NO
	1LV2	BATHROOM	107	NO CHANGE	
	1SD1	CORRIDOR	100B	NO CHANGE	
	1SD2	JANITOR'S CLOSET	126	NO CHANGE	
	1SH1	BATHROOM	107	NO CHANGE	
	1SH2	BATHROOM	106	NO CHANGE	
	1TL1	BATHROOM	106	NO CHANGE	
	1TL2	BATHROOM	107	NO CHANGE	
	1TL3	BATHROOM	107	NO CHANGE	
1UR1	BATHROOM	106	NO CHANGE		
3-516-OPN-2	N/A	CONDENS. WATER	123	NOI	NO
3-516-OPN-3	1WH2	WATER HTR DRAIN	123	NOI	NO
3-516-OPN-4	N/A	CONDENS. WATER	111	NOI	NO
3-516-OPN-5	1WH1	WATER HTR DRAIN	111	NOI	NO

TABLE 5: TA 3-2025 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
3-2025-OPN-1 SANITARY HOLDING TNK SF900022	1LV1	RESTROOM	111	NO CHANGE	NO
	1SD1	CORRIDOR	109	NO CHANGE	
	1TL1	RESTROOM	111	NO CHANGE	
2-2025-OPN-2	N/A	CONDENS. WATER	EXTER.	NOI	NO
3-2025-OPN-3	N/A	CONDENS. WATER	EXTER.	NOI	NO

TABLE 6: NON-DRAIN RECOMMENDATIONS

TA #	BLDG. #	ROOM/AREA	RECOMMENDATION
3	30	W131A/W131B	PREPARE SOP'S FOR PAINT/MACHINE SHOP
3	30	B100	CLEAN-UP OIL SPILL NEAR AIR COMPRESSORS
3	31	DOCK AREA 119 STORAGE AREAS 8 &	PROVIDE SECONDARY CONTAINMENT FOR CHEMICALS/HAZARDOUS MATERIALS
3	374	ALL	POST SIGN INDICATING NO CHEMICALS OR HAZMAT STORAGE.
3	516	SANITARY HOLDING TANK SF900022	DECOMMISSION AFTER CONNECTION TO SWSC
3	2025	SANITARY HOLDING TANK SF900022	DECOMMISSION AFTER CONNECTION TO SWSC

TABLE 7
SUMMARY OF ABBREVIATIONS

ABBREVIATION	MEANING
CD	Cup Drain
CSD	Contaminated Sink
EC	Evaporative Cooler
ED	Equipment Drain
EW	Emergency Eye Wa
FD	Floor Drain
FS	Floor Sink
LV	Lavatory
MH	Manhole
RD	Roof Drain
RDL	Roof Drain Leader
SD	Sink
SH	Shower
SLS	Sewage Lift Station
SS	Sanitary Sewer Pipe
TD	Trench Drain
TL	Toilet
UR	Urinal
WF	Water Fountain
WH	Water Heater

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	30	3-30-OPN-01	01S/SWSC	1ED1	W131A	PAINT ROOM		5 DAYS PER WEEK	No	WATER BACKFLOW PREVENTER DRAIN
3	30	3-30-OPN-01	01S/SWSC	1FD01	W122D	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD02	W122D	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD03	W122D	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD04	104	JANITOR'S CLOSET		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD05	W122E	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD06	106	UTILITY ROOM		FLOW IS NIL	No	WATER HEATER DRAIN
3	30	3-30-OPN-01	01S/SWSC	1FD07	W122E	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD08	W122E	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD09	W131C	PAINT ROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1FD10	W131A	PAINT ROOM		FLOW IS NIL	No	EMERGENCY SHOWER DRAIN
3	30	3-30-OPN-01	01S/SWSC	1FD11	W131A	PAINT ROOM		FLOW IS NIL	No	EMERGENCY EYE WASH DRAIN
3	30	3-30-OPN-01	01S/SWSC	1FD12	W131B	MECHANICAL FAB		FLOW IS NIL	No	EMERGENCY EYE WASH DRAIN
3	30	3-30-OPN-01	01S/SWSC	1LV01	W122D	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1LV02	W122D	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1LV03	W122D	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1LV04	W122E	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1LV05	W122E	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1LV06	W122E	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-01	01S/SWSC	1SD03	N/A	CORRIDOR		5 DAYS PER WEEK	No	HAND WASH
3	30	3-30-OPN-01	01S/SWSC	1SD04	104	JANITOR'S CLOSET		5 DAYS PER WEEK	No	FLOOR WASHINGS
3	30	3-30-OPN-01	01S/SWSC	1SD05	N/A	CORRIDOR		5 DAYS PER WEEK	No	DISH & HAND WASHING
3	30	3-30-OPN-01	01S/SWSC	1SD06	W131A	PAINT ROOM		5 DAYS PER WEEK	No	HAND WASH
3	30	3-30-OPN-01	01S/SWSC	1SD07	W131B	MECHANICAL FAB		5 DAYS PER WEEK	No	HAND WASH
3	30	3-30-OPN-01	01S/SWSC	1SH1	W122D	BATHROOM		5 DAYS PER WEEK	No	SHOWER
3	30	3-30-OPN-01	01S/SWSC	1SH2	W122D	BATHROOM		5 DAYS PER WEEK	No	SHOWER
3	30	3-30-OPN-01	01S/SWSC	1SH3	W122E	BATHROOM		5 DAYS PER WEEK	No	SHOWER
3	30	3-30-OPN-01	01S/SWSC	1SH4	W122E	BATHROOM		5 DAYS PER WEEK	No	SHOWER
3	30	3-30-OPN-01	01S/SWSC	1SH5	W122E	BATHROOM		5 DAYS PER WEEK	No	SHOWER
3	30	3-30-OPN-01	01S/SWSC	1TL01	W122D	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-01	01S/SWSC	1TL02	W122D	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-01	01S/SWSC	1TL03	W122D	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-01	01S/SWSC	1TL04	W122E	BATHROOM		5 DAYS PER WEEK	No	TOILET

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	30	3-30-OPN-01	01S/SWSC	1TL05	W122E	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-01	01S/SWSC	1TL06	W122E	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-01	01S/SWSC	1UR1	W122E	BATHROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-01	01S/SWSC	1UR2	W122E	BATHROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-01	01S/SWSC	1WF1	W123	CORRIDOR		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	30	3-30-OPN-01	01S/SWSC	1WF2	N/A	CORRIDOR		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	30	3-30-OPN-02	01S/SWSC	1CD1	111	BREAKROOM		NO FLOW	No	NONE
3	30	3-30-OPN-02	01S/SWSC	1SD08	118A	CLASSROOM		5 DAYS PER WEEK	No	DISH & HAND WASH
3	30	3-30-OPN-02	01S/SWSC	1WF3	111	BREAKROOM		NO FLOW	No	WATER FOUNTAIN (REMOVED)
3	30	3-30-OPN-02	01S/SWSC	1WF4	116	OFFICE AREA		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	30	3-30-OPN-02	01S/SWSC	BFD1	B100	MECHANICAL ROOM		FLOW IS NIL	No	WATER HEATER DRAIN
3	30	3-30-OPN-03	01S/SWSC	1CD2	133T	CORRIDOR		FLOW IS NIL	No	WATER HEATER DRAIN
3	30	3-30-OPN-03	01S/SWSC	1EW1	131	WAREHOUSE AREA		FLOW IS NIL	No	EMERGENCY EYE WASH
3	30	3-30-OPN-03	01S/SWSC	1FD13	127	LOCKER ROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1FD14	126	RESTROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1FD15	129	LOCKER ROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1FD16	130	RESTROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1FD17	133S	BATHROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1LV07	126	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV08	126	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV09	126	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV10	129	LOCKER ROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV11	129	LOCKER ROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV12	130	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV13	130	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV14	133S	BATHROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV15	133P	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1LV16	133P	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	30	3-30-OPN-03	01S/SWSC	1SD09	128	JANITOR'S CLOSET		5 DAYS PER WEEK	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1SD10	123	BREAKROOM		5 DAYS PER WEEK	No	DISH & HAND WASH
3	30	3-30-OPN-03	01S/SWSC	1SD11	133T	CORRIDOR		NO FLOW	No	SINK (REMOVED)
3	30	3-30-OPN-03	01S/SWSC	1SD12	133Q	JANITOR'S CLOSET		5 DAYS PER WEEK	No	FLOOR WASHINGS
3	30	3-30-OPN-03	01S/SWSC	1TL07	126	RESTROOM		5 DAYS PER WEEK	No	TOILET

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	30	3-30-OPN-03	01S/SWSC	1TL08	126	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL09	126	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL10	130	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL11	130	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL12	130	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL13	133S	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL14	133P	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1TL15	133P	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	30	3-30-OPN-03	01S/SWSC	1UR3	130	RESTROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-03	01S/SWSC	1UR4	130	RESTROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-03	01S/SWSC	1UR5	130	RESTROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-03	01S/SWSC	1UR6	133S	BATHROOM		5 DAYS PER WEEK	No	URINAL
3	30	3-30-OPN-03	01S/SWSC	1WF5	131	WAREHOUSE AREA		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	30	3-30-OPN-03	01S/SWSC	1WF6	133T	CORRIDOR		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	30	3-30-OPN-03	01S/SWSC	BFD2	B100	MECHANICAL ROOM		FLOW IS NIL	No	HEATING SUPPLY WATER DRAIN
3	30	3-30-OPN-03	01S/SWSC	BFD3	B100	MECHANICAL ROOM		FLOW IS NIL	No	HEATING SUPPLY WATER DRAIN
3	30	3-30-OPN-03	01S/SWSC	BFD4	B100	MECHANICAL ROOM		FLOW IS NIL	No	WATER BACKFLOW PREVENTER
3	30	3-30-OPN-03	01S/SWSC	BFS1	B100	MECHANICAL ROOM		FLOW IS NIL	No	OIL/WATER SEPERATOR DRAIN
3	30	3-30-OPN-03	01S/SWSC	BSLS1	B100	MECHANICAL ROOM		5 DAYS PER WEEK	No	FLOOR DRAINS/SINK IN BASEMENT
3	30	3-30-OPN-04	DAYLIGHT	N/A	N/A	EXTERIOR		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	30	3-30-OPN-05	DAYLIGHT	N/A	N/A	OFFICE AREA		MORE IN SUMMER	No	FIRE LINE DRAIN
3	30	3-30-OPN-06	DAYLIGHT	N/A	N/A	OFFICE AREA		MORE IN SUMMER	No	FIRE LINE DRAIN
3	30	3-30-OPN-07	ATMOSPHERE	N/A	133P	RESTROOM		NO FLOW	No	RESTROOM EXHAUST FAN
3	30	3-30-OPN-08	DAYLIGHT	N/A	135Q	OFFICE AREA		MORE IN SUMMER	No	FIRE LINE DRAIN
3	30	3-30-OPN-09	DAYLIGHT	N/A	135Q	OFFICE AREA		MORE IN SUMMER	No	FIRE LINE DRAIN
3	30	3-30-OPN-10	DAYLIGHT	N/A	W126H	OFFICE AREA		MORE IN SUMMER	No	FIRE LINE DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD01	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD02	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD03	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD04	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD05	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD12	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD13	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	30	3-30-OPN-11	DAYLIGHT	RD14	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD15	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD22	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD23	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD24	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD25	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD26	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD30	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD31	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD32	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD33	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD41	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD42	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD43	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD44	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD45	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-11	DAYLIGHT	RD46	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-12	N/A	N/A	N/A	COMMUNICATIONS CLOSE		NO FLOW	No	ABANDONED PIPE
3	30	3-30-OPN-13	DAYLIGHT	1SD1	W113A	VACUUM SYSTEMS AREA		5 DAYS PER WEEK	No	HAND WASH
3	30	3-30-OPN-13	DAYLIGHT	1SD2	W113B	VACUUM PUMP REPAIR RO		5 DAYS PER WEEK	No	HAND WASH
3	30	3-30-OPN-13	DAYLIGHT	RD06	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD07	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD08	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD09	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD10	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD11	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD16	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD17	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD18	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD19	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD20	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD21	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD27	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	30	3-30-OPN-13	DAYLIGHT	RD28	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD29	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD34	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD35	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD36	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD37	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD38	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD39	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD40	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD47	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD48	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD49	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-13	DAYLIGHT	RD50	N/A	ROOF		MORE IN SUMMER	No	STORM DRAIN
3	30	3-30-OPN-14	N/A	1CSD1	W113B	VACUUM PUMP REPAIR RO		NO FLOW	No	FUME HOOD SINK (PLUGGED)
3	30	3-30-OPN-15	N/A	1CSD2	W113B	VACUUM PUMP REPAIR RO		NO FLOW	No	FUME HOOD SINK (PLUGGED)
3	30	3-30-OPN-16	N/A	1CSD3	W113B	VACUUM PUMP REPAIR RO		NO FLOW	No	FUME HOOD SINK (PLUGGED)
3	30	3-30-OPN-17	N/A	1CSD4	W113B	VACUUM PUMP REPAIR RO		NO FLOW	No	FUME HOOD SINK (PLUGGED)
3	30	3-30-OPN-18	DAYLIGHT	N/A	W111A	OFFICE AREA		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	30	3-30-OPN-19	DAYLIGHT	N/A	N/A	ROOF		6 MONTHS/YR	Yes	EVAPORATIVE COOLER DRAIN
3	30	3-30-OPN-20	DAYLIGHT	N/A	N/A	ROOF		6 MONTHS/YR	Yes	EVAPORATIVE COOLER DRAIN
3	31	3-31-OPN-01	01S/SWSC	1FD1	100	WAREHOUSE AREA		FLOW IS NIL	No	EMERGENCY SHOWER DRAIN
3	31	3-31-OPN-01	01S/SWSC	1FD2	100	WAREHOUSE AREA		NO FLOW	No	EMERGEN. SHOWER DRAIN(PLUGGED)
3	31	3-31-OPN-01	01S/SWSC	1FD3	104	BREAKROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	31	3-31-OPN-01	01S/SWSC	1FD4	113	RESTROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	31	3-31-OPN-01	01S/SWSC	1FD5	116	RESTROOM		FLOW IS NIL	No	FLOOR WASHINGS
3	31	3-31-OPN-01	01S/SWSC	1FS1	104	BREAKROOM		NO FLOW	No	FLOOR WASHINGS (PLUGGED)
3	31	3-31-OPN-01	01S/SWSC	1FS2	104	BREAKROOM		NO FLOW	No	FLOOR WASHINGS (PLUGGED)
3	31	3-31-OPN-01	01S/SWSC	1FS3	109	OFFICE		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	31	3-31-OPN-01	01S/SWSC	1FS4	119	DOCK AREA		NO FLOW	No	FLOOR WASHINGS (PLUGGED)
3	31	3-31-OPN-01	01S/SWSC	1FS5	118	JANITOR'S CLOSET		FLOW IS NIL	No	WATER HEATER DRAIN
3	31	3-31-OPN-01	01S/SWSC	1LV1	113	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	31	3-31-OPN-01	01S/SWSC	1LV2	113	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	31	3-31-OPN-01	01S/SWSC	1LV3	116	RESTROOM		5 DAYS PER WEEK	No	LAVATORY

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	31	3-31-OPN-01	01S/SWSC	1LV4	116	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	31	3-31-OPN-01	01S/SWSC	1LV5	100A	WAREHOUSE AREA		5 DAYS PER WEEK	No	LAVATORY
3	31	3-31-OPN-01	01S/SWSC	1SD1	100	WAREHOUSE AREA		5 DAYS PER WEEK	No	DISH & HAND WASH
3	31	3-31-OPN-01	01S/SWSC	1SD2	118	JANITOR'S CLOSET		5 DAYS PER WEEK	No	FLOOR WASHINGS
3	31	3-31-OPN-01	01S/SWSC	1SD3	112B	BREAKROOM		5 DAYS PER WEEK	No	DISH & HAND WASH
3	31	3-31-OPN-01	01S/SWSC	1TL1	113	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL2	113	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL3	113	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL4	113	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL5	116	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL6	116	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1TL7	100A	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	31	3-31-OPN-01	01S/SWSC	1UR1	116	RESTROOM		5 DAYS PER WEEK	No	URINAL
3	31	3-31-OPN-01	01S/SWSC	1UR2	116	RESTROOM		5 DAYS PER WEEK	No	URINAL
3	31	3-31-OPN-01	01S/SWSC	1WF1	100	WAREHOUSE AREA		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	31	3-31-OPN-01	01S/SWSC	1WF2	101	WAREHOUSE AREA		NO FLOW	No	WATER FOUNTAIN (REMOVED)
3	31	3-31-OPN-01	01S/SWSC	1WF3	112	CORRIDOR		5 DAYS PER WEEK	No	WATER FOUNTAIN
3	31	3-31-OPN-02	DAYLIGHT	N/A	100	WAREHOUSE AREA		FLOW IS NIL	No	FIRE LINE DRAIN
3	31	3-31-OPN-03	DAYLIGHT	N/A	100	WAREHOUSE AREA		FLOW IS NIL	No	FIRE LINE DRAIN
3	31	3-31-OPN-04	DAYLIGHT	N/A	100	WAREHOUSE AREA		FLOW IS NIL	No	FIRE LINE DRAIN
3	31	3-31-OPN-05	DAYLIGHT	N/A	119	LOADING DOCK		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD01	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD02	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD03	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD04	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD05	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD06	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD07	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD08	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD09	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD10	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD11	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD12	N/A	ROOF		MOST IN SUMMER	No	STORM DRAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES	
3	31	3-31-OPN-06	DAYLIGHT	RD13	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD14	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD15	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD16	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD17	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD18	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD19	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD20	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-06	DAYLIGHT	RD21	N/A	ROOF			MOST IN SUMMER	No	STORM DRAIN
3	31	3-31-OPN-07	DAYLIGHT	N/A	N/A	ELECTRONICS STORE			FLOW IS NIL	No	FIRE LINE DRAIN
3	31	3-31-OPN-08	DAYLIGHT	1TD1	N/A	EXTERIOR			WHEN REQUIRED T	No	SECOND. CONTAINMNT/STORM WATER
3	31	3-31-OPN-09	DAYLIGHT	N/A	N/A	EXTERIOR			6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	31	3-31-OPN-10	DAYLIGHT	N/A	101	WAREHOUSE AREA			FLOW IS NIL	No	WATER BACKFLOW PREVENTER DRAIN
3	31	3-31-OPN-11	ATMOSPHERE	N/A	100A	RESTROOM			NO FLOW	No	RESTROOM EXHAUST FAN
3	31	3-31-OPN-12	DAYLIGHT	N/A	100	WAREHOUSE AREA			FLOW IS NIL	No	WATER HEATER DRAIN
3	374	3-374	ND	N/A	N/A	DRUM STORAGE SHED			NO FLOW	No	NONE
3	463	3-463-OPN-01	01S/SWSC	1LV1	108	RESTROOM			5 DAYS PER WEEK	No	LAVATORY
3	463	3-463-OPN-01	01S/SWSC	1LV2	102	RESTROOM			5 DAYS PER WEEK	No	LAVATORY
3	463	3-463-OPN-01	01S/SWSC	1SD1	100B	CORRIDOR			5 DAYS PER WEEK	No	DISH & HAND WASH
3	463	3-463-OPN-01	01S/SWSC	1SD2	104	JANITOR'S CLOSET			5 DAYS PER WEEK	No	FLOOR WASHINGS
3	463	3-463-OPN-01	01S/SWSC	1TL1	108	RESTROOM			5 DAYS PER WEEK	No	TOILET
3	463	3-463-OPN-01	01S/SWSC	1TL2	102	RESTROOM			5 DAYS PER WEEK	No	TOILET
3	463	3-463-OPN-01	01S/SWSC	1UR1	108	RESTROOM			5 DAYS PER WEEK	No	URINAL
3	463	3-463-OPN-01	01S/SWSC	1WF1	107	WORKROOM			5 DAYS PER WEEK	No	WATER FOUNTAIN
3	463	3-463-OPN-02	DAYLIGHT	N/A	107A	UTILITY CLOSET			FLOW IS NIL	No	WATER HEATER DRAIN
3	463	3-463-OPN-03	DAYLIGHT	N/A	N/A	EXTERIOR			7 DAYS PER WEEK	No	EQUIP. CONDENSED WATER
3	463	3-463-OPN-04	DAYLIGHT	N/A	N/A	ROOF			FLOW IS NIL	Yes	EQUIP. CONDENSED WATER
3	463	3-463-OPN-05	DAYLIGHT	N/A	N/A	ROOF			FLOW IS NIL	Yes	EQUIP. CONDENSED WATER
3	516	3-516-OPN-01	01S/SWSC	1LV1	106	BATHROOM			5 DAYS PER WEEK	No	LAVATORY
3	516	3-516-OPN-01	01S/SWSC	1LV2	107	BATHROOM			5 DAYS PER WEEK	No	LAVATORY
3	516	3-516-OPN-01	01S/SWSC	1SD1	100B	CORRIDOR			5 DAYS PER WEEK	No	DISH & HAND WASH
3	516	3-516-OPN-01	01S/SWSC	1SD2	126	JANITOR'S CLOSET			5 DAYS PER WEEK	No	FLOOR WASHINGS
3	516	3-516-OPN-01	01S/SWSC	1SH1	107	BATHROOM			5 DAYS PER WEEK	No	SHOWER DRAIN

REPORT # 45

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	SOURCE TYPES
3	516	3-516-OPN-01	01S/SWSC	1SH2	106	BATHROOM		5 DAYS PER WEEK	No	SHOWER DRAIN
3	516	3-516-OPN-01	01S/SWSC	1TL1	106	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	516	3-516-OPN-01	01S/SWSC	1TL2	107	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	516	3-516-OPN-01	01S/SWSC	1TL3	107	BATHROOM		5 DAYS PER WEEK	No	TOILET
3	516	3-516-OPN-01	01S/SWSC	1UR1	106	BATHROOM		5 DAYS PER WEEK	No	URINAL
3	516	3-516-OPN-02	DAYLIGHT	N/A	123	MECHANICAL ROOM		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	516	3-516-OPN-03	DAYLIGHT	1WH2	123	MECHANICAL ROOM		FLOW IS NIL	No	WATER HEATER DRAIN
3	516	3-516-OPN-04	DAYLIGHT	N/A	111	MECHANICAL ROOM		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	516	3-516-OPN-05	DAYLIGHT	1WH1	111	MECHANICAL ROOM		FLOW IS NIL	No	WATER HEATER DRAIN
3	529	3-529	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE
3	1675	3-1675	ND	N/A	N/A	STORAGE SHED		NO FLOW	No	NONE
3	2025	3-2025-OPN-01	01S/SWSC	1LV1	111	RESTROOM		5 DAYS PER WEEK	No	LAVATORY
3	2025	3-2025-OPN-01	01S/SWSC	1SD1	109	CORRIDOR		5 DAYS PER WEEK	No	DISH & HAND WASH
3	2025	3-2025-OPN-01	01S/SWSC	1TL1	111	RESTROOM		5 DAYS PER WEEK	No	TOILET
3	2025	3-2025-OPN-02	DAYLIGHT	N/A	101	EXTERIOR		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	2025	3-2025-OPN-03	DAYLIGHT	N/A	101	EXTERIOR		6 MONTHS/YR	Yes	EQUIP. CONDENSED WATER DRAIN
3	2120	3-2120	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE
3	2121	3-2121	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE
3	2156	3-2156	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE
3	2168	3-2168	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE
3	3587	3-3587	ND	N/A	N/A	TRANSPORTAINER		NO FLOW	No	NONE

VWR IPS CHEMICAL INVENTORY: TA3 SM31: GRAPHICS

LAST UPDATE: AUGUST 1992 NEXT UPDATE: FEBRUARY 1993

<u>CATALOG #</u>	<u>DESCRIPTION</u>	
AG75010-80	COPYCOLOR ACTIVATOR (2.5 GL)	2 EA
AG75038-41	FIXER (2.5 GL)	6 EA
AN75058-25	PRINTING PRESS OIL (1 GL)	2 EA
GXIF2773	FIXER (1 GL)	4 EA
GXIF2774	BLEACH/NEUTRALIZER (1 GL)	6 EA
GXIF2775	DEVELOPER (1 GL)	3 EA
GXGA400-0003	DEVELOPER A (5 GL)	4 EA
GXGA400-0015	REPLENISHER B (5 GL)	6 EA
GXGA400-0019	REPLENISHER EQUALIZER (5 GL)	6 EA
GXGA404-0079	REPROFIX L FIXER PART 'A' (5 GL)	6 EA
GXGA404-0081	REPROFIX L FIXER PART 'B' (1 GL)	1 EA
GXGA419-0001	REPROTYPE DEVELOPER/REPLENISHER (1 GL)	4 CS
GXIF56095	DEVELOPER (1 GL)	14 EA
GXIF75820-50	ILFOSPEED RP DEVELOPER (1/2 GL)	32 EA
GXKK100-7384	EGAR COLOR DEVELOPER/REPLENISHER (5 GL)	4 EA
GXKK100-7509	DEVELOPER/REPLENISHER (5 GL)	2 EA

GXKK102-2490	RECORDAK DEVELOPER (1 GL)	3 EA
GXKK102-3308	DEVELOPER/REPLENISHER B: DURAFLO (5 GL)	1 EA
GXKK105-4311	DEKOMATIC FIXER/REPLENISHER (1 GL)	5 EA
GXKK106-3197	BLEACH REPLENISHER (2.5 L)	2 EA
GXKK121-0194	ACTIVATOR/STOP BATH (4 GL)	9 EA
GXKK121-1804	FIXER/REPLENISHER (1 L)	3 EA
GXKK121-2547	BLEACH FIXER/REPLENISHER (25 GL)	10 EA
GXKK121-2638	BLEACH FIXER/REPLENISHER (5 GL)	4 EA
GXKK121-6183	DEVELOPER STARTER (1 GL)	1 EA
GXKK123-7593	REVERSAL BATH & REPLENISHER (1 GL)	9 EA
GXKK123-7619	FIXER & REPLENISHER (1 GL)	4 EA
GXKK124-9259	DEVELOPER/REPLENISHER (10 GL)	1 EA
GXKK127-5734	MF II DEVELOPER A&B SET (1 GL)	2 EA
GXKK129-7647	BLEACH/REPLENISHER (5 GL)	9 EA
GXKK140-0902	PRINT FLATTINING SOLUTION (1 GL)	3 EA
GXKK140-4581	DEVELOPER, TYPE I (1 GL)	10 EA
GXKK140-8731	STOP BATH (1 GL)	9 EA
GXKK149-3956	DEVELOPER/REPLENISHER (1 GL)	8 EA

GXKK149-3899	FIRST DEV/REPLENISHER (25 LBS)	7 EA
GXKK156-3782	CONDITIONER/REPLENISHER (4 GL)	9 EA
GXKK156-4814	FIRST DEVELOPER/REPLENISHER (5 GL)	8 EA
GXKK156-4830	FIRST DEV/REPLENISHER (5 GL)	8 EA
GXKK159-5065	BLEACH REPLENISHER II (5 GL)	5 EA
GXKK159-7932	FIXER REPLENISHER (5 G)	2 EA
GXKK159-9844	T-MAX DEVELOPER (1 GL)	16 EA
GXKK170-8882	STABILIZER/REPLENISHER (1 GL)	1 EA
GXKK173-3013	FIXER SOLUTION 'B' 72 OZ)	4 EA
GXKK174-9902	STABILIZER/REPLENISHER (16 OZ)	1 EA
GXKK174-9951	PLATE FINISHER (1 GL)	3 EA
GXKK177-8869	DEVELOPER/REPLENISHER (4 GL)	8 EA
GXKK180-3972	MICROFILM BLEACH/REPLENISHER (5 GL)	6 EA
GXKK180-3998	MICROFILM CLEAR BATH/REPLENISHER (5 GL)	7 EA
GXKK180-5332	FIXER/REPLENISHER (10 GL)	1 EA
GXKK180-5886	DEVELOPER/REPLENISHER (5 GL)	5 EA
GXKK183-2096	DEVELOPER/REPLENISHER 'B' (1 GL)	5 EA
GXKK183-2302	DEVELOPER/REPLENISHER 'B' (1 GL)	6 EA

GXKK183-2336	STOP BATH (2.5 GL)	3 EA
GXKK183-2583	BLENDER (5 GL)	10 EA
GXKK183-2781	BLENDER (5 GL)	15 EA
GXKK183-2381	BLENDER/FIXER/REPLENISHER NR 'A' (20 GL)	2 EA
GXKK183-2898	BLENDER/FIXER/REPLENISHER (20 GL)	4 EA
GXKK187-2894	DEVELOPER (5 GL)	4 EA
GXKK188-8825	DEVELOPER/REPLENISHER (2.5 L)	12 EA
GXKK815-5194	DEVELOPER/REPLENISHER (5 GL)	3 EA
GXKK190-0901	DEVELOPER/REPLENISHER (4 X 1 GL)	1 CS
GXKK190-0984	DEVELOPER/REPLENISHER (5 GL)	5 EA
GXKK190-1149	FIXER/REPLENISHER (5 GL)	17 EA
GXKK190-1891	DEVELOPER/REPLENISHER (5 GL)	5 EA
GXKK190-2485	FIXER/REPLENISHER (5 GL)	4 EA
GXKK196-5623	BLEACH REPLENISHER (5 GL)	7 EA
GXKK197-3247	FIXER SOLUTION (SOL A CUBE) (5 GL)	1 EA
GXKK810-4564	STOP BATH ()	3 EA
GXKK818-5100	(DEVELOPER/REPLENISHER (5 GL)	9 EA
GXKK822-3554	DEVELOPER (2.5 GL)	8 EA

GXKK824-4931	REPLENISHER (1 GL)	2 EA
GXKK825-0425	DEKOMATIC DEVELOPER/REPLENISHER (1 GL)	4 EA
GXKK826-4228	HARDENER (72 OZ)	24 EA
GXKK832-4329	FIXER (5 GL)	6 EA
GXKK826-5605	FIXER/REPLENISHER (5 GL)	9 EA
GXKK837-2815	DEVELOPER/REPLENISHER (6 X 5 L)	3 CS
GXKK838-5882	DEVELOPER (5 GL)	5 EA

VWR IPS CHEMICAL INVENTORY: TA3 SM31: DOCK AREA

LAST UPDATE: AUGUST 1992

NEXT UPDATE: FEBRUARY 1993

<u>CATALOG #</u>	<u>DESCRIPTION</u>		
LACO2169	THREAD CUTTING OIL (55 GAL)	1	EA
LA2329	OIL, VACTRA #2 (55 GAL)	2	EA
LA2373	FREON, REFRIDGERANT II (200 LB)	3	EA
LA2126	LIGHT MACHINE OIL (55 GAL)	2	EA
LACO2127	OIL, MEDIUM MACHINE (55 GAL)	2	EA
LA2140	OIL, TRANSFORMER, W/INHIBITOR (55 GAL)	15	EA
LA2130	OIL, MINERAL (55 GAL)	1	EA
LA4259	SODIUM CHLORIDE (50# BAG)	50	EA
LA4144	CAUSTIC SODA BEADS (100# DRUM)	72	EA
LA1583-5	FREON, PCA (5 GAL)	2	EA

VWR IPS CHEMICAL INVENTORY: TA3 SM31: ROOM 8

LAST UPDATE: AUGUST 1992

NEXT UPDATE: FEBRUARY 1993

<u>CATALOG #</u>	<u>DESCRIPTION</u>	
EK-1089887	CALCIUM CARBONATE (3 KG)	10 EA
EK-1126630	DEXTRIN (1 KG)	1 EA
EM-LX0355-1	LITHIUM NITRITE (CRYSTAL) (500 GM)	1 EA
JTV214-5	SULPHURIC ACID (100 GM)	1 EA
JT0541-1	ALUMINUM OXIDE (500 GM)	1 EA
JT2186-1	HYDROGEN PEROXIDE, 30% (500 ML)	28 EA
JT3040-1	POTASSIUM CHLORIDE (500 GM)	6 EA
JT3140-R	POTASSIUM HYDROXIDE (110 LB)	9 EA
JT3506-1	SODIUM BICARBONATE (500 GM)	15 EA
JT3624-5	SODIUM CHLORIDE (4 X 5 KG)	6 CS
JT4218-3	WATER, HPLC USE (3.8 L)	20 EA
JT9535-1	HYDROCHLORIC ACID (500 ML)	2 EA
JT9535-5	HYDROCHLORIC ACID (2.5 L)	5 EA
JT9601-5	NITRIC ACID (2.5 L)	17 EA
54996-106	OIL, VACUUM PUMP (5 GAL)	2 EA

54996-230	OIL, VACUUM PUMP (1 GAL)	9 EA
54996-252	OIL, VACUUM PUMP (5 GAL)	1 EA
59334-007	WAX, APIEZON 'Q' (1 KG)	5 EA
JT9721-3	AMMONIUM HYDROXIDE (6 X 2.5L)	9 CS
JT9535-33	HYDROCHLORIC ACID (6 X 2.5L)	12 CS
JT9601-33	NITRIC ACID (6 X 2.5 L)	22 CS
VW3110-3	HYDROCHLORIC ACID (6 X 6 LB)	19 CS
JT9601-4	NITRIC ACID (4 X 2.5L)	4 CS
DF0123-1	TRYPTONE (1 LB)	2 EA
DF0140-1	BACTO-AGAR (1 LB)	7 EA
DF127-1	YEAST EXTRACT (1 EA)	2 EA
EK119-1469	4,4,4 TRIFLUORO-1-(2-THIENYL) -1,3-BUTANEDIONE (100 GM)	4 EA
JT4219-3	WATER (4 L)	1 EA
JT1916-1	DEXTROSE (500 GM)	7 EA
LACI6236	A CHARGE PROCESS (55 GAL)	2 EA
LACI6235	A CHARGE REPLENISHER (55 GAL)	2 EA
21837-027	LIQUI-NOX DETERGENT (1 GAL)	8 EA
LACO2335	DIFFUSION PUMP OIL (5 GAL)	2 EA

LAST5075	ELECTROCOLD STRIP (5 GAL)	5 EA
EX-CX0670-1	CHARCOAL (1 KG)	2 EA
JT3140-1	POTASSIUM HYDROXIDE (500 GM)	1 EA
JT2506-1	MAGNESIUM SULFATE (500 GM)	3 EA
EM-PX1405-1	POTASSIUM CHLORIDE (500 GM)	3 EA
JT3828-1	SODIUM PHOSPHATE (500 GM)	1 EA
31239	DEUTERIUM OXIDE (25 ML)	8 EA
JT3782-5	SODIUM NITRITE (2.5 KG)	4 EA
JT2186-3	HYDROGEN PEROXIDE 30% (4 L)	10 EA
JTX171-7	TRIS (BASE) (500 GM)	3 EA
JT1332-1	CALCIUM CHLORIDE (500 GM)	1 EA
JT0596-1	AMMONIUM ACETATE (500 GM)	3 EA
54996-208	PUMP OIL (1 QT)	2 EA
801-0002	NITRIC ACID 70% (2 ML AMPULES)	24 EA
JTW405-7	TRIBUTYLAMINE (500 ML)	2 EA
JT9507-4	ACETIC ACID (4 X 2.5 L)	1 CS
717	WATER CONDITIONING CHEMICALS (280# DRUM)	3 EA
748	WATER CONDITIONING CHEMICALS (280# DRUM)	2 EA

CPS-1

WATERCONDITIONING CHEMICALS
(280# DRUM)

2 EA

JT9733-3

AMMONIUM HYDROXIDE
(4 X 4 L)

1 CS

VWR IPS CHEMICAL INVENTORY: TA3 SM31: ROOM 9

LAST UPDATE: AUGUST 1992

NEXT UPDATE: FEBRUARY 1993

<u>CATALOG #</u>	<u>DESCRIPTION</u>	
EK-1088699	PROPYL ALCOHOL (1 KG)	1 EA
EK-1348929	Q-SWITCH II (100 MG)	1 EA
EK-1366665	BIS (4-DIMETHYLAMINODITHIOBENAIL) NICKEL (100 MG)	1 EA
JT9006-1	ACETONE (12 X 500 ML)	3 CS
JT9006-13	ACETONE (4 X 4L)	7 EA
JT9070-1	METHANOL (12 X 500 ML)	7 CS
JT9070-3	METHANOL (4 X 4 L)	7 CS
JT9093-2	METHANOL (1 L)	22 EA
JT9244-2	ETHER, ANHYDROUS (1 L)	13 EA
JT9254-3	ACETONE (4 L)	11 EA
JT9264-3	METHYLENE CHLORIDE (4 L)	11 EA
JT9300-3	ETHYLENE GLYCOL (4 X 4 L)	6 CS
JT9300-1	ETHYLENE GLYCOL (4 L)	2 EA
JT9070-13	METHANOL (4 L)	1 EA
JT9084-11	2-PROPANOL (500 ML)	4 EA

LT49602	DEVELOPER, SPECIAL: DYNAMARK (1 L)	10 EA
LT47215	DEVELOPER, SPECIAL: DYNAMARK (1 L)	10 EA
LT74568	DEVELOPER, OPAQUE (1 L)	10 EA
JTM955-1	N-HEPTANE (20 L)	1 EA
JTW510-1	1,1,1 TRICHLOROETHANE (20 L)	3 EA
JTW509-1	1,1,1 TRICHLOROETHANE (20 L)	4 EA
LA0118-3	ACETONE (1 GAL)	3 EA
LA1806-3	METHYL ALCOHOL (1 GAL)	2 EA
EM-EX0285S-1	ETHYL ALCOHOL (2 PT)	12 EA
EM-190-1032	PHOTO RESIST THINNER (1 GL)	1 EA
LA2558-3	TRICLORETHANE (4 L)	9 EA
JT9639-2	AQUALYTE PLUS LSC (2.5 L)	1 EA
JTW639-7	TRIETHYLAMINE (500 ML)	1 EA
JT9180-2	CHLOROFORM (1 L)	2 EA
JT9010-1	ACETONE (500 ML)	4 EA
JT9458-1	TRICHLOROETHYLENE (500 ML)	1 EA
JT9309-7	HEXANES (20 L)	2 EA
JTW510-8	TRICHLOROETHANE (4 L)	15 EA

JT9017-33

ACETONITRILE
(4 X 4 L)

4 CS

C. Use the space below to list any of the pollutants listed in Table 2D-3 of the instructions which you know or have reason to believe will be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it will be present.

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

A. If there is any technical evaluation concerning your wastewater treatment, including engineering reports or pilot plant studies, check the appropriate box below.

Report Available

No Report

Waste Stream Characterization Report #45

B. Provide the name and location of any existing plant(s) which, to the best of your knowledge, resembles this production facility with respect to production processes, wastewater constituents, or wastewater treatments.

Name	Location
N/A	

VII. Other Information (Optional)

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

VIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to 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.

A. Name and Official Title (type or print) JERRY L. BELLOW, AREA MANAGER, DOE ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS	B. Phone No. 505-667-5105 505-667-9390
C. Signature	D. Date Signed

TRENCH DRAIN (EXTERIOR)
RECEIVES STORM WATER
RUNOFF DURING STORM
EVENTS.
WAS USED AS A SECONDARY
CONTAINMENT DRAIN IN
THE PAST.

LOCKED
VALVE



STORM WATER FLOW
DURING STORM EVENTS
(INTERMITTENT FLOW)

OUTFALL 3-30-OPN-8

NOT TO SCALE

B. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item III-A. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

C. Except for storm runoff, leaks, or spills, will any of the discharges described in item III-A be intermittent or seasonal?

Yes (complete the following table) No (go to item IV)

Outfall Number	1. Frequency		2. Flow		c. Duration (in days)
	a. Days Per Week (specify average)	b. Months Per Year (specify average)	a. Maximum Daily Flow Rate (in mgd)	b. Maximum Total Volume (specify with units)	
3-30-OPN-13	5	12	0.00001	10 GPY	260 day/yr

IV. Production

If there is an applicable production-based effluent guideline or NSPS, for each outfall list the estimated level of production (projection of actual production level, not design), expressed in the terms and units used in the applicable effluent guideline or NSPS, for each of the first 3 years of operation. If production is likely to vary, you may also submit alternative estimates (attach a separate sheet).

Year	a. Quantity Per Day	b. Units of Measure	c. Operation, Product, Material, etc (specify)
			N/A

C. Use the space below to list any of the pollutants listed in Table 2D-3 of the instructions which you know or have reason to believe will be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it will be present.

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

A. If there is any technical evaluation concerning your wastewater treatment, including engineering reports or pilot plant studies, check the appropriate box below.

Report Available

No Report

Waste Stream Characterization Report #45

B. Provide the name and location of any existing plant(s) which, to the best of your knowledge, resembles this production facility with respect to production processes, wastewater constituents, or wastewater treatments.

Name	Location
N/A	

VII. Other Information (Optional)

Use the space below to expand upon any of the above questions or to bring to the attention of the reviewer any other information you feel should be considered in establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

See attached 04A datasheets and line drawing. Discharge is consistent with potable water with hand washing activities (grey water).

VIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to 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.

A. Name and Official Title (type or print) JERRY L. BELLOWS, AREA MANAGER, DOE ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS	B. Phone No. 505-667-5105 505-667-9390
C. Signature	D. Date Signed

SINK DRAINS (2)
10 GPD

10 GPD

ROOF DRAINS (26)
INTERMITTENT

INTERMITTENT
FLOW

COMBINATION STORM WATER
AND SANITARY WATER FLOW
TO A TRIBUTARY OF TWO-
MILE CANYON VIA OUTFALL
3-30-OPN-13 (10 GPD)

OUTFALL 3-30-OPN-13

NOT TO SCALE

Data from worst case composite.

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

NM0890010515

Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)

OUTFALL NO.
04A

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)		4. INTAKE (optional)			
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	< 2.0	< 75.7						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	< 10.0	< 0.4						mg/l	g/d			
c. Total Organic Carbon (TOC)	0.6	22.3						mg/l	g/d			
d. Total Suspended Solids (TSS)	18.0	0.7						mg/l	g/d			
e. Ammonia (as N)	< 0.1	< 3.785						mg/l	g/d			
f. Flow	VALUE 10		VALUE		VALUE			gal/day		VALUE		
g. Temperature (winter)	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM	X			STANDARD UNITS		X		

PART B - Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X	< 0.5	< 18.9						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	7.9						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		0.304	11.5						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED PRESENT	b. RECEIVED PRESENT	c. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		e. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCENTRATION	b. MASS	f. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 18.9						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 39.7						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	1.9						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	3.8						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	0.2						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	2.3						pCi/l	pCi/d			
k. Sulfate (as SO ₄) (14808-79-8)	X		3.16	0.1						mg/l	g/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO ₃) (14265-45-3)		X	< 0.05	< 1.9						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 3.8						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 1.5						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	1.1						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.8						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 3.8						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	15.5						mg/l	mg/d			
t. Magnesium, Total (7439-96-4)	X		2.5	94.6						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.8						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.4						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 1.9						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.2						mg/l	mg/d			

NM0890010515

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Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 1.9						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.1						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.4						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	1.5						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	1.2						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 1.9						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	2.3						mg/l	mg/d			
0M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.0						mg/l	mg/d			
1M. Silver, Total (7440-22-4)			X	< 0.010	< 0.4						mg/l	mg/d			
2M. Thallium, Total (7440-28-0)			X	< 0.4	< 15.1						mg/l	mg/d			
3M. Zinc, Total (7440-66-6)		X		0.043	1.6						mg/l	mg/d			
4M. Cyanide, Total (57-12-6)			X	0.01	0.4						mg/l	mg/d			
5M. Phenols, Total			X	< 0.01	< 0.4						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetra-chlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BE- LIEVED PRE- SENT	c. BE- LIEVED AB- SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANAL- YSES	a. CONCENT- RATION	b. MASS	b. LONG TERM AVERAGE VALUE		d. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENT- TRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.2						mg/l	mg/d			
4V. Bis (Chloro- methyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.2						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.2						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.2						mg/l	mg/d			
8V. Chlorodi- bromomethane (124-48-1)			X	< 0.005	< 0.2						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.000						mg/l	mg/d			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.2						mg/l	mg/d			
12V. Dichloro- bromomethane (75-27-4)			X	< 0.005	< 0.2						mg/l	mg/d			
13V. Dichloro- difluoromethane (75-71-8)			X												
14V. 1,1-Dichloro- thane (75-34-3)			X	< 0.005	< 0.2						mg/l	mg/d			
15V. 1,2-Dichloro- thane (107-06-2)			X	< 0.005	< 0.2						mg/l	mg/d			
16V. 1,1-Dichloro- ethylene (75-35-4)			X	< 0.005	< 0.2						mg/l	mg/d			
17V. 1,2-Dichloro- propane (78-87-5)			X	< 0.005	< 0.2						mg/l	kg/d			
18V. 1,3-Dichloro- propylene (542-75-8)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.2						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.4						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.4						mg/l	mg/d			

CONTINUED FROM PAGE V-4

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	B. MAXIMUM DAILY VALUE		D. MAXIMUM 30 DAY VALUE (if available)		G. LONG TERM AVRG. VALUE (if available)		D. NO. OF ANALYSES	B. CONCENTRATION	D. MASS	E. LONG TERM AVERAGE VALUE		D. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.2						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.2						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.2						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.2						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.2						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.2						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.2						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.2						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.2						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.4						mg/l	mg/d			
GC/MS FRACTION - ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.4						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.4						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.4						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.4						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.4						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.4						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.4						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.4						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.4						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.4						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.4						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING RE-QUIRED	b. BELIEVED PRE-SENT	c. BELIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL- YSES	a. CONCENT- TRATION	b. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANAL- YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENT- TRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.4						mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 0.4						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.4						mg/l	mg/d			
4B. Benzidine (92-87-8)			X	< 0.010	< 0.4						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 0.4						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 0.4						mg/l	mg/d			
7B. 3,4-Benzo- fluoranthene (205-99-2)			X	< 0.010	< 0.4						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 0.4						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 0.4						mg/l	mg/d			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X	< 0.010	< 0.4						mg/l	mg/d			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X	< 0.010	< 0.4						mg/l	mg/d			
12B. Bis (2-Chloroiso- propyl) Ether (102-60-1)			X	< 0.010	< 0.4						mg/l	mg/d			
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)			X	< 0.010	< 0.4						mg/l	mg/d			
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.4						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.4						mg/l	mg/d			
16B. 2-Chloro- naphthalene (91-68-7)			X	< 0.010	< 0.4						mg/l	mg/d			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.4						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.4						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 0.4						mg/l	mg/d			
20B. 1,2-Dichloro- benzene (95-50-1)			X	< 0.010	< 0.4						mg/l	mg/d			
21B. 1,3-Dichloro- benzene (541-73-1)			X	< 0.010	< 0.4						mg/l	mg/d			

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING REQUIRED	D. BELIEVED PRESENT	C. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	g. CONCENTRATION	h. MASS	e. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.4						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.4						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.4						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.4						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.4						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.4						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.4						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.4						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 0.4						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.4						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.4						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.4						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.4						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.4						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.4						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 0.4						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.4						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.4						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.4						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.4						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.4						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.4						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.4						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.4						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (820-82-1)			X	< 0.010	< 0.4						mg/l	mg/d			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (809-00-2)			X	< 0.06	< 2.3						ug/l	ug/d			
2P. α-BHC (819-84-6)			X	< 0.02	< 0.8						ug/l	ug/d			
3P. β-BHC (819-85-7)			X	< 0.1	< 3.8						ug/l	ug/d			
4P. γ-BHC (58-89-8)			X	< 0.03	< 1.1						ug/l	ug/d			
5P. δ-BHC (819-86-8)			X	< 0.12	< 4.5						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 9.5						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 2.3						ug/l	ug/d			
8P. 4,4'-DDE (72-65-9)			X	< 0.08	< 3.0						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 3.0						ug/l	ug/d			
10P. Dieldrin (50-57-1)			X	< 0.08	< 3.0						ug/l	ug/d			
11P. α-Endosulfan (815-29-7)			X	< 0.05	< 1.9						ug/l	ug/d			
12P. β-Endosulfan (815-29-7)			X	< 0.08	< 3.0						ug/l	ug/d			
13P. Endosulfan Sulfate (8031-07-8)			X	< 0.09	< 3.4						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 2.3						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 23.5						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 11.4						ug/l	ug/d			

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NM0890010515** **OUTFALL NUMBER** **04A**

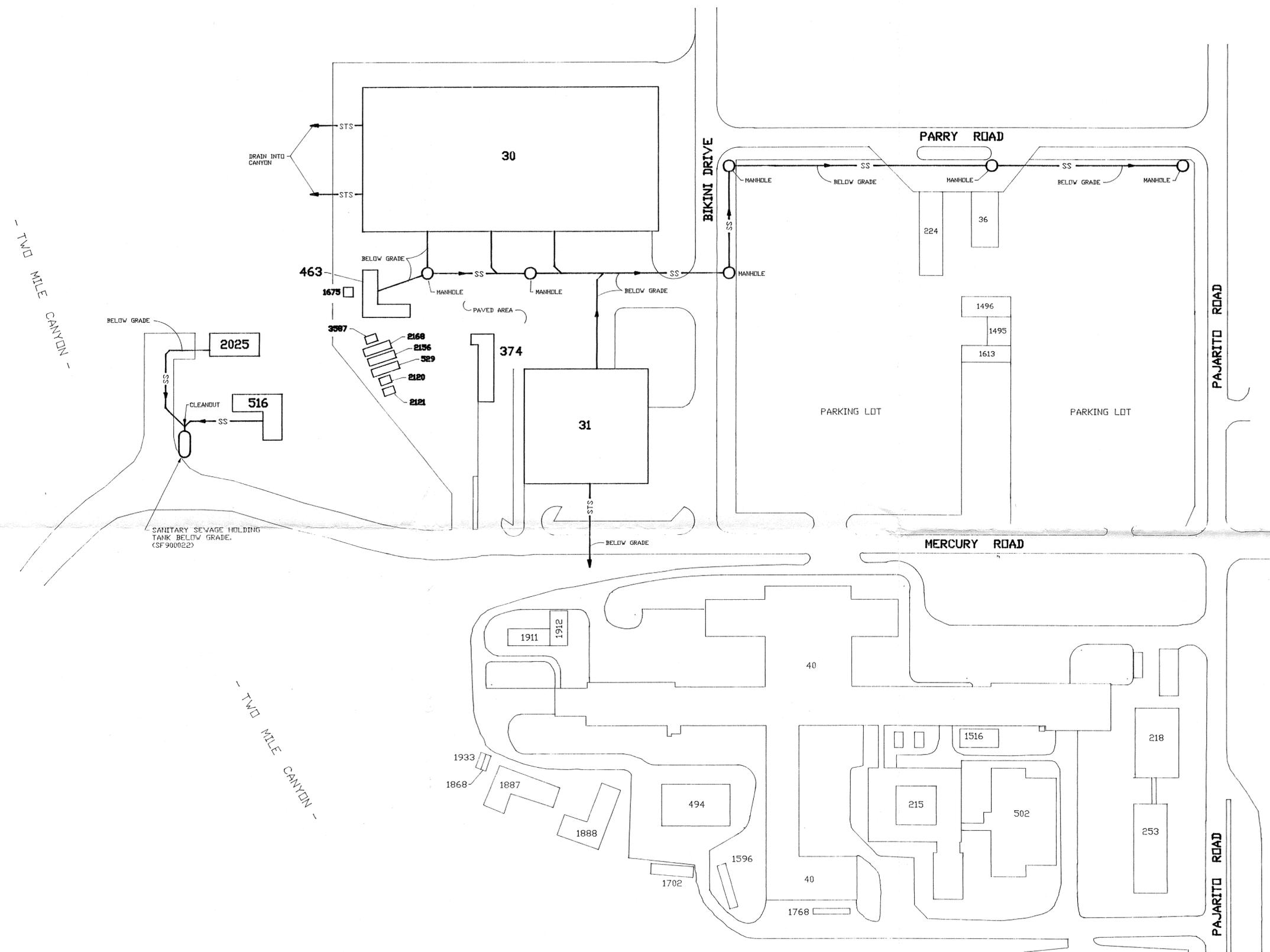
Form Approved.
OMB No. 2040-0086
Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION - PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 1.5						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 25.7						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 25.7						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11098-82-5)			X	< 0.68	< 25.7						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 94.6						ug/l	ug/d			

PAGE V-9

DYE STUDY INFORMATION

BUILDING NUMBER	DRAIN NUMBER	DID DYE REACH EXPECTED DESTINATION?	COMMENTS
3-30	BFD1	YES	SANITARY (OPN-3)
3-30	BFD2	YES	SANITARY (OPN-3)
3-30	BFD4	YES	SANITARY (OPN-3)
3-30	BFS1	N/A	DRAIN IS PLUGGED WITH DEBRIS
3-30	BSLS1	YES	SANITARY (OPN-3)
3-30	1FD11	YES	SANITARY (OPN-1)
3-30	1LV12	YES	SANITARY (OPN-3)
3-30	1SD1	NO	DISCH. TO STORM DRAIN OUTFALL
3-30	1SD2	NO	DISCH. TO STORM DRAIN OUTFALL
3-30	1SD3	YES	SANITARY (OPN-1)
3-30	1SD4	YES	SANITARY (OPN-1)
3-30	1SD5	YES	SANITARY (OPN-1)
3-30	1SD7	YES	SANITARY (OPN-1)
3-30	1SD8	YES	SANITARY (OPN-2)
3-30	1SD10	YES	SANITARY (OPN-3)
3-30	1SH5	YES	SANITARY (OPN-1)
3-30	1TL5	YES	SANITARY (OPN-1)
3-30	1TL10	YES	SANITARY (OPN-3)
3-30	1TL13	YES	SANITARY (OPN-3)
3-31	1SD1	YES	SANITARY (OPN-1)
3-31	1SD2	YES	SANITARY (OPN-1)
3-31	1SD3	YES	SANITARY (OPN-1)
3-31	1TL5	YES	SANITARY (OPN-1)
3-31	1TL7	YES	SANITARY (OPN-1)
3-463	1SD1	YES	SANITARY (OPN-1)
3-463	1TL1	YES	SANITARY (OPN-1)
3-463	1TL2	YES	SANITARY (OPN-1)
3-516	1TL1	YES	TO S.S. HOLDONG TANK SF900022
3-2025	1TL1	YES	TO S.S. HOLDONG TANK SF900022



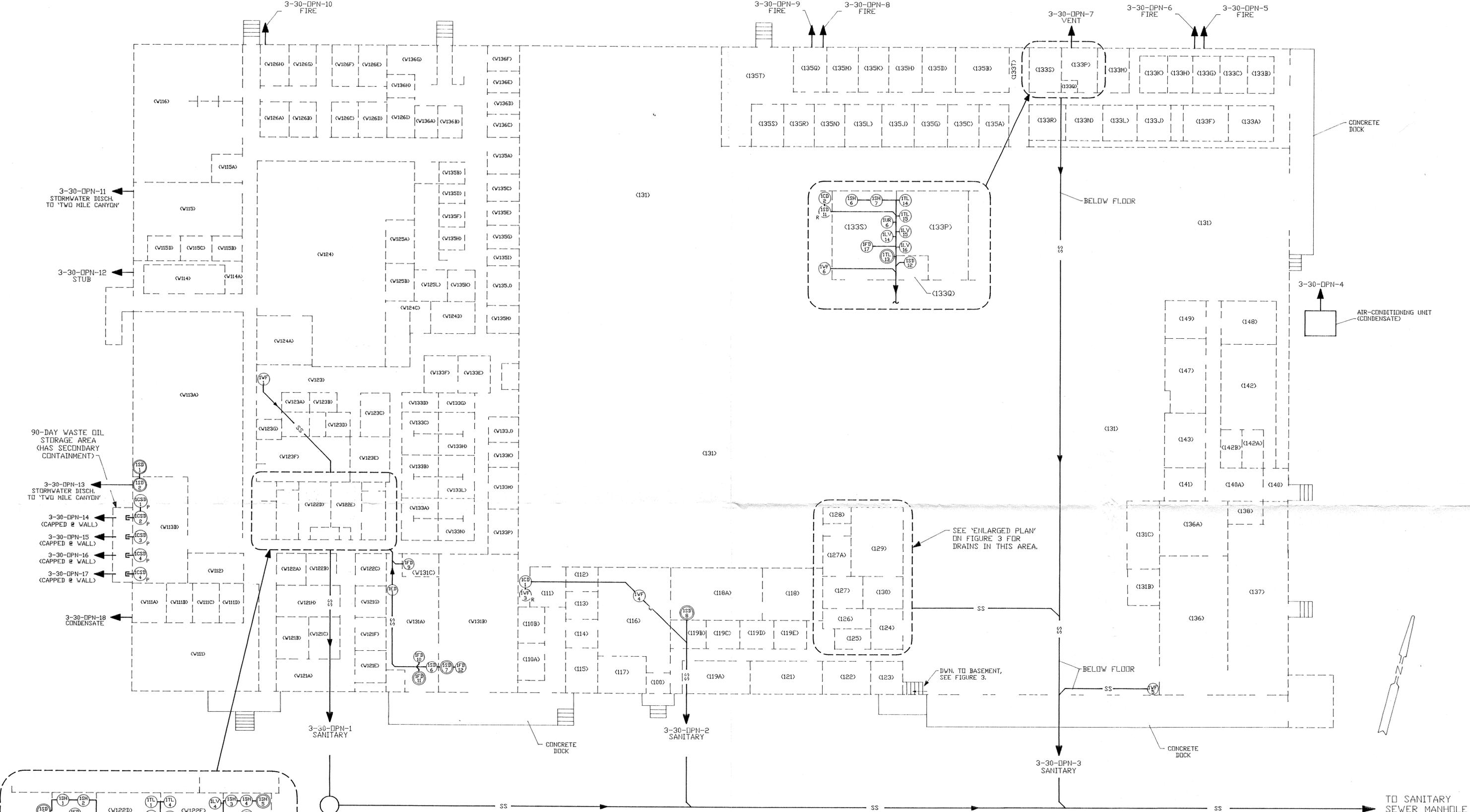
SYMBOL LEGEND	
SS	SANITARY SEWER PIPE
STS	STORM SEWER

15263-A

NOTE:
THIS PARTIAL SITE PLAN WAS DERIVED FROM L.A.N.L. DRAWING C51441, SHT. NE-14 AND FROM SITE VISITS.

TA-3 PARTIAL SITE PLAN
NOT TO SCALE

SANTA FE ENGINEERING, LTD.			
TA-3 PARTIAL SITE PLAN	DRAWN	M.E.W.	
	DESIGN	M.E.W.	
	CHECKED	P.E.B.	
	DATE	10-9-92	
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545			SHEET 1 OF 1
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
EM-8	11056-45	FIGURE 1	



FIRST FLOOR PLAN

NOT TO SCALE

GENERAL NOTE:
 ROOF DRAINS AND ASSOCIATED PIPING ARE SHOWN ON 'ROOF PLAN', FIGURE 3.

NOTE:
 THIS DRAIN SCHEMATIC WAS DERIVED FROM L.A.N.L. DRAWINGS C-16107, C-16110, C-16114, C-16116, C-16117, C-16118, C-16119, C-16123, C-16148, C-16150, C-16151, C-16152, C-16159, C-43761, C-43969, C-44224, C-44720 AND SITE VISITS.

- DYE TESTED DRAIN
- _R DRAIN HAS BEEN REMOVED
- _P DRAIN HAS BEEN PLUGGED

SYMBOL LEGEND	
CSD	CONTAMIN. SINK DRAIN
CD	CUP DRAIN
ED	EQUIPMENT DRAIN
EW	EYE WASH DRAIN
FD	FLOOR DRAIN
LV	LAVATORY
SD	SINK DRAIN
SH	SHOWER
SS	SANITARY SEWER
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN

15263-B

SANTA FE ENGINEERING, LTD.

**TA3-30
DRAIN SCHEMATIC**

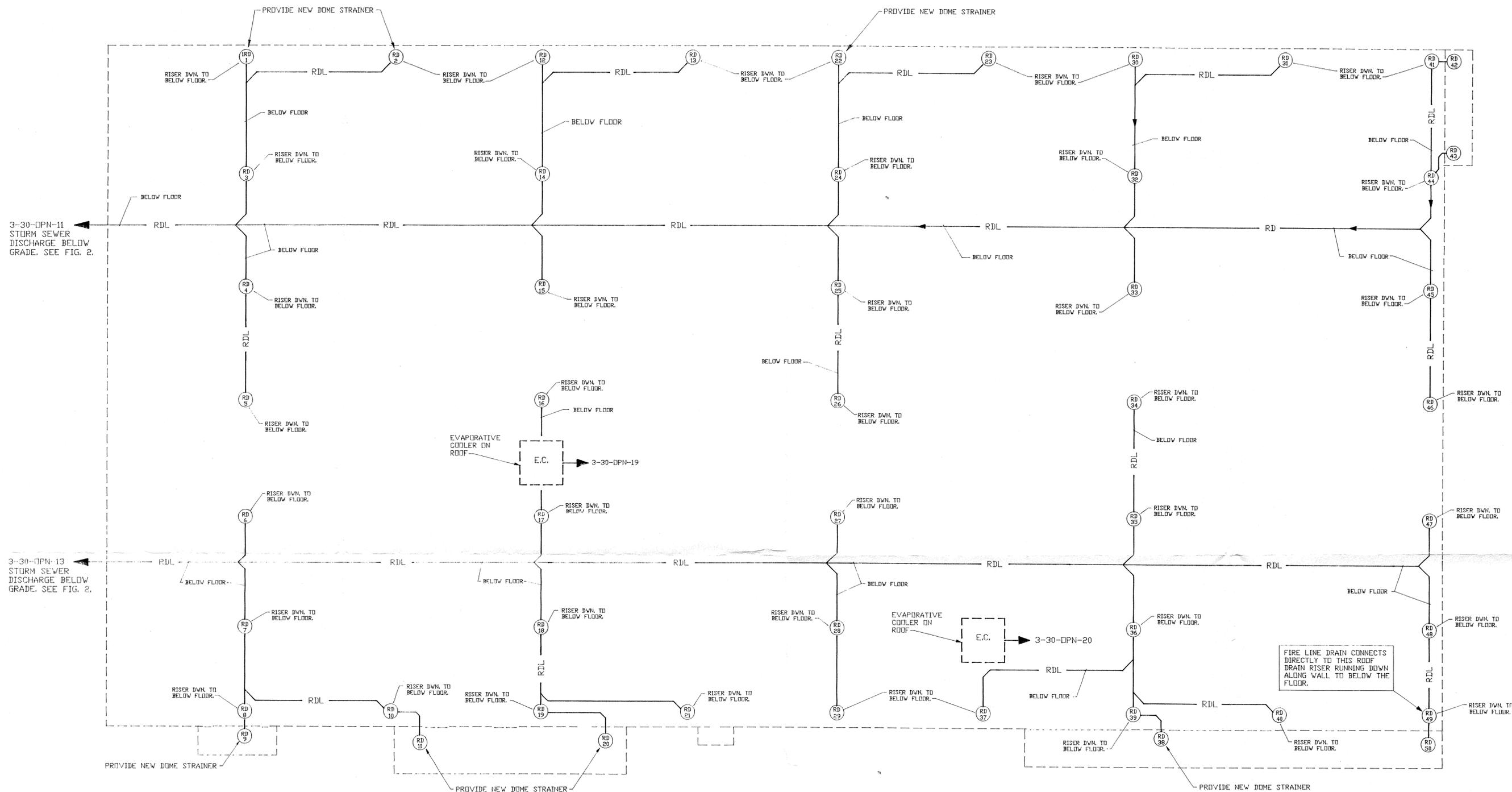
DESIGN	M.E.W.
CHECKED	P.E.B.
DATE	10-9-92

Los Alamos National Laboratory
 Los Alamos, New Mexico 87545

CLASSIFICATION: REQUESTING DIVISION: EM-8
 REVIEWER: LAB JOB NO.: 11056-45
 DATE: DRAWING NO.: FIGURE 2

SHEET 1 OF 2

TO SANITARY SEWER MANHOLE SEE FIGURE 1.



3-30-OPN-13
STORM SEWER
DISCHARGE BELOW
GRADE. SEE FIG. 2.

3-30-OPN-11
STORM SEWER
DISCHARGE BELOW
GRADE. SEE FIG. 2.

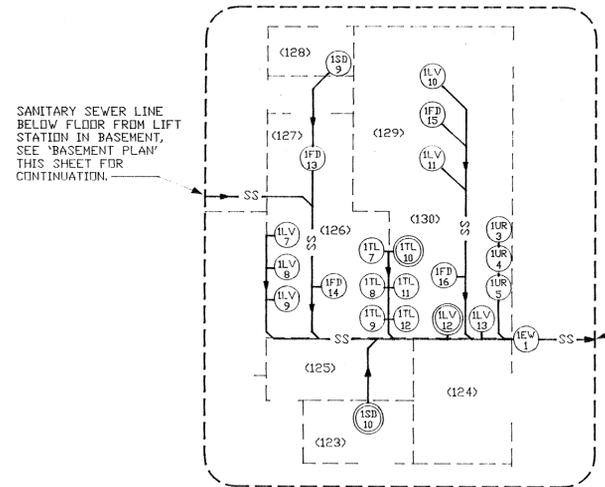
FIRE LINE DRAIN CONNECTS
DIRECTLY TO THIS ROOF
DRAIN RISER RUNNING DOWN
ALONG WALL TO BELOW FLOOR.

ROOF PLAN

NOT TO SCALE

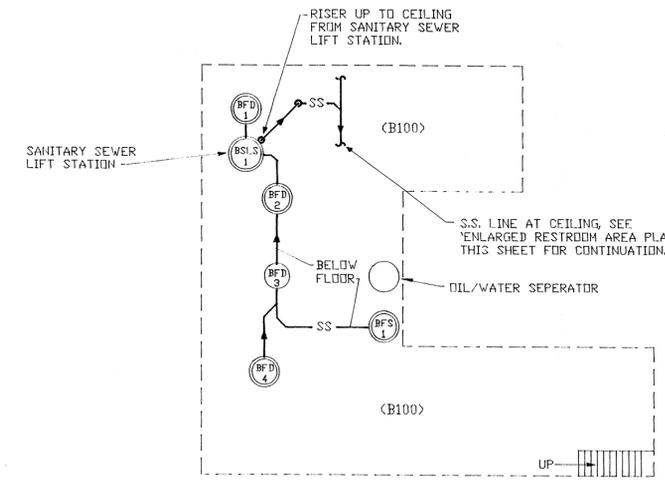
SYMBOL LEGEND	
E.C.	EVAPORATIVE COOLER
EW	EYE WASH DRAIN
FD	FLOOR DRAIN
FS	FLOOR SINK
LV	LAVATORY
RD	ROOF DRAIN
RDL	ROOF DRAIN PIPE
SD	SINK DRAIN
SLS	SEWAGE LIFT STATION
SS	SANITARY SEWER PIPE
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN

○ DYE TESTED DRAIN



ENLARGED RESTROOM AREA PLAN

NOT TO SCALE



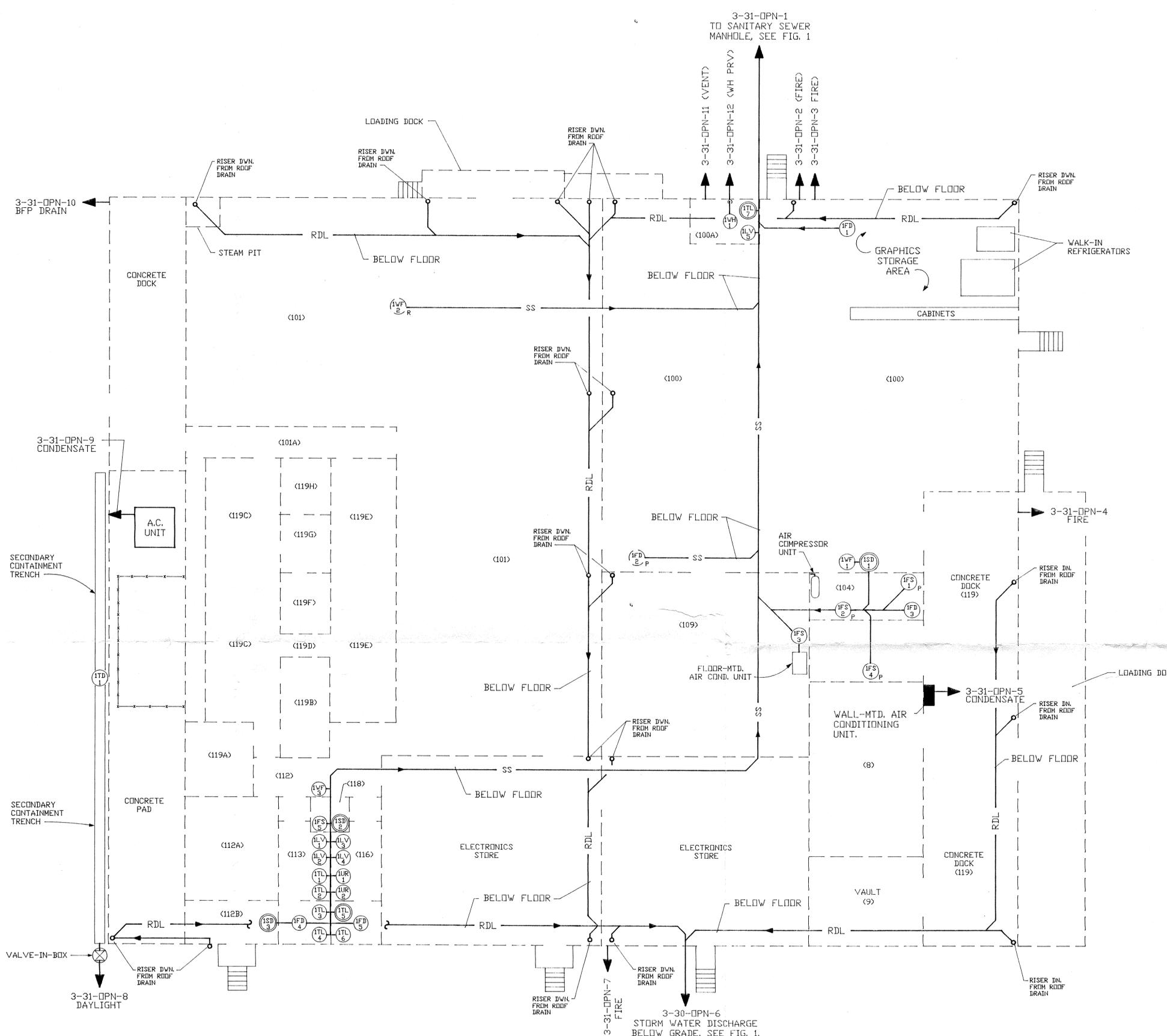
BASEMENT PLAN

NOT TO SCALE

15263-C

NOTE:
THIS DRAIN SCHEMATIC WAS DERIVED FROM L.A.N.L. DRAWINGS C-16107, C-16110, C-16114, C-16116, C-16117, C-16118, C-16119, C-16123, C-16148, C-16150, C-16151, C-16152, C-16159, C-43761, C-43969, C-44224, C-44720 AND SITE VISITS.

SANTA FE ENGINEERING, LTD.			
TA3-30 DRAIN SCHEMATIC		DRAWN	M.E.W.
		DESIGN	M.E.W.
		CHECKED	P.E.B.
		DATE	10-9-92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET 2 OF 2
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-45	FIGURE 3	



SYMBOL LEGEND	
FD	FLOOR DRAIN
FS	FLOOR SINK
LV	LAVATORY
RDL	ROOF DRAIN PIPE
SD	SINK DRAIN
SH	SHOWER
TD	TRENCH DRAIN
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN

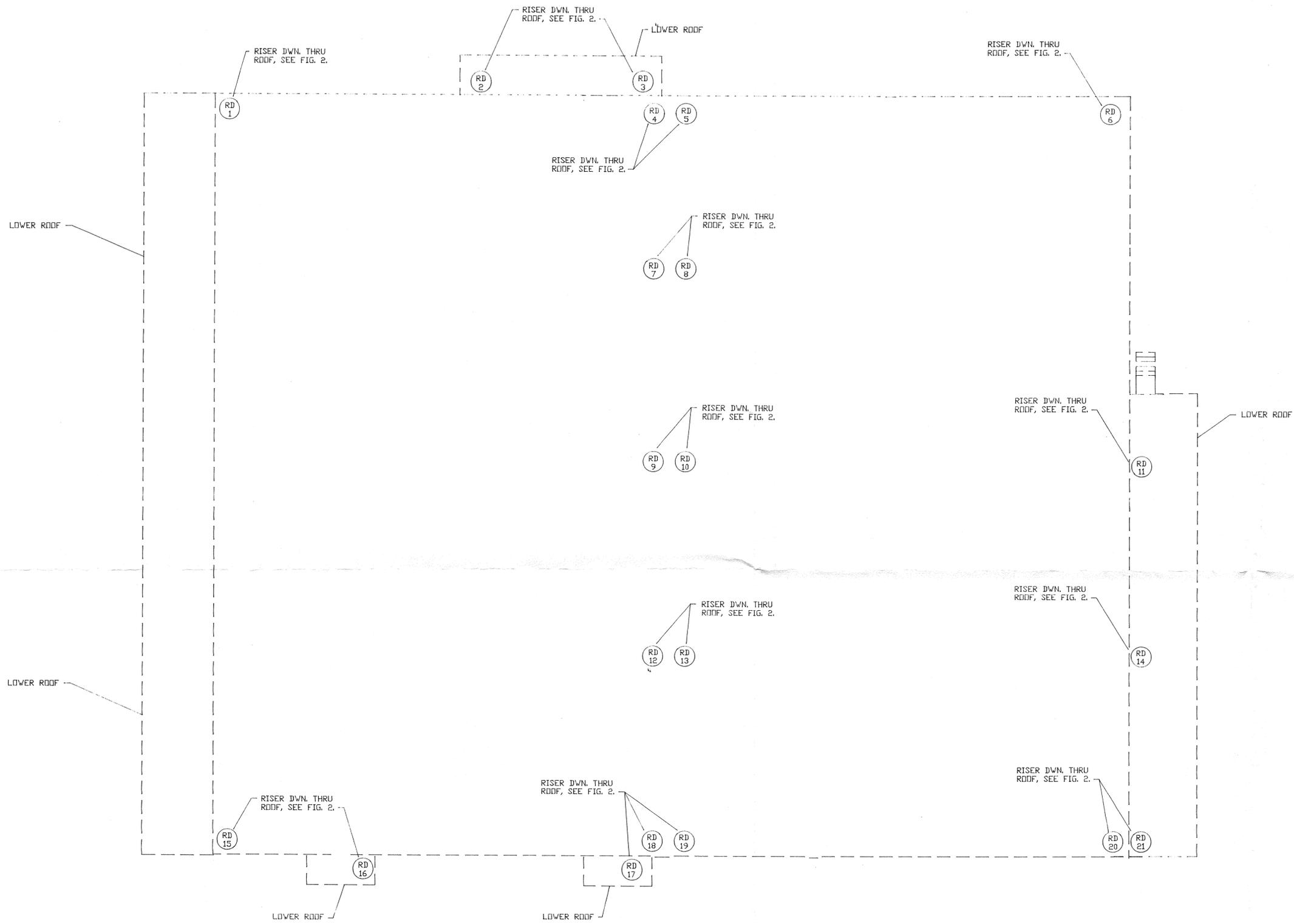
-  DYE TESTED DRAIN
-  DRAIN HAS BEEN PLUGGED
-  DRAIN HAS BEEN REMOVED

FIRST FLOOR PLAN
NOT TO SCALE

15263-D

NOTE:
THIS DRAIN SCHEMATIC WAS DERIVED FROM L.A.N.L. DRAWINGS C-16134, C-16153, C-16163, C-44334, C-45947, R-2552 AND SITE VISITS.

SANTA FE ENGINEERING, LTD.			
TA3-31		DRAWN	M.E.W.
DRAIN SCHEMATIC		DESIGN	M.E.W.
		CHECKED	P.E.B.
		DATE	10-9-92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET 1 OF 2
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-45	FIGURE 4	



ROOF PLAN

NOT TO SCALE

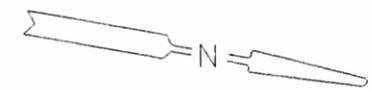
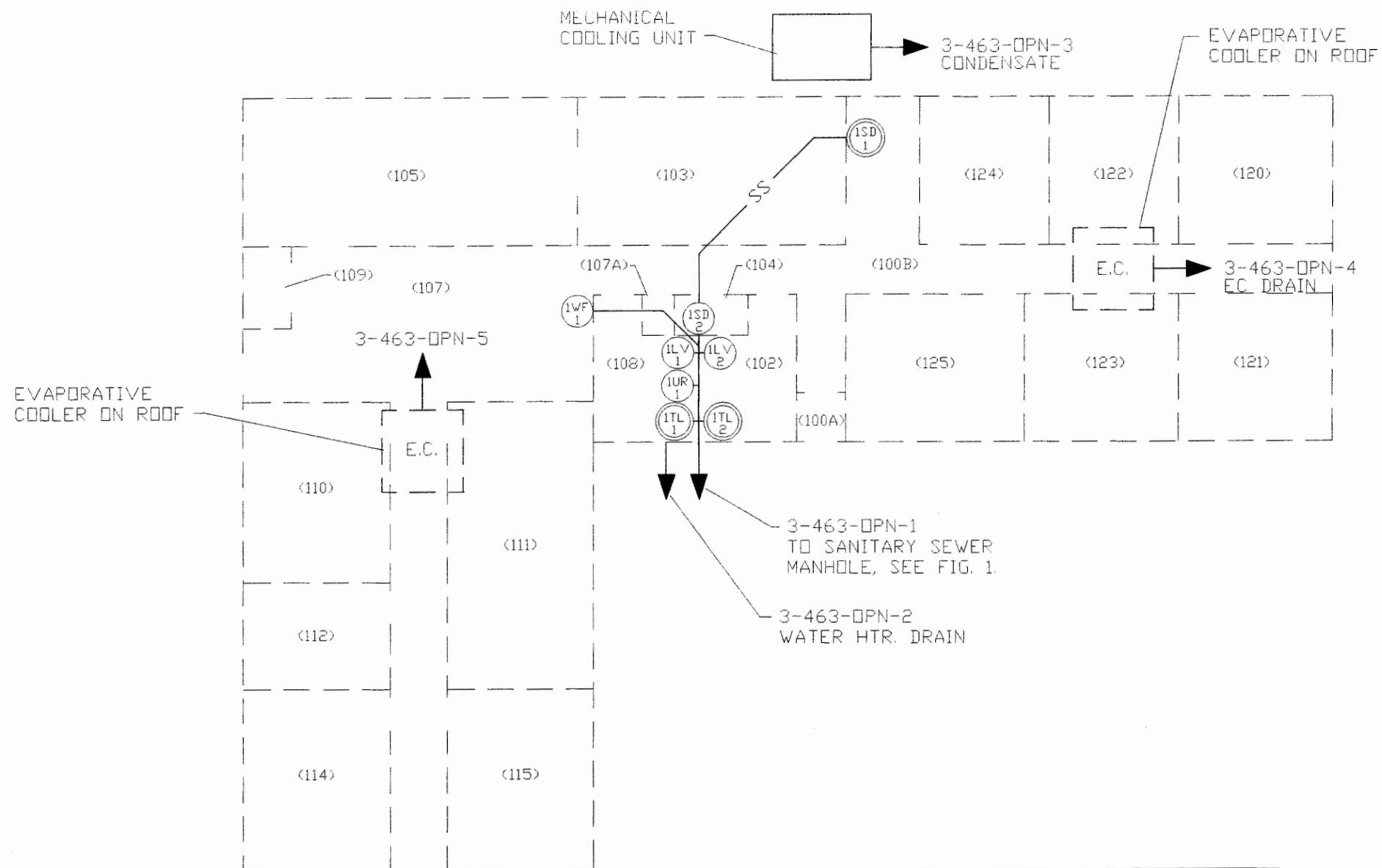
SYMBOL LEGEND	
RD	ROOF DRAIN

15263-E

NOTE:

THIS DRAWING WAS DERIVED FROM L.A.N.L. DRAWINGS C-16134, C-16153 AND SITE VISITS.

SANTA FE ENGINEERING, LTD.			
TA3-31 DRAIN SCHEMATIC	DRAWN	M.E.W.	
	DESIGN	M.E.W.	
	CHECKED	P.E.B.	
	DATE	10-9-92	
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET 2 OF 2
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
EM-8	11056-45	FIGURE 5	

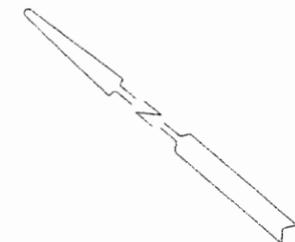
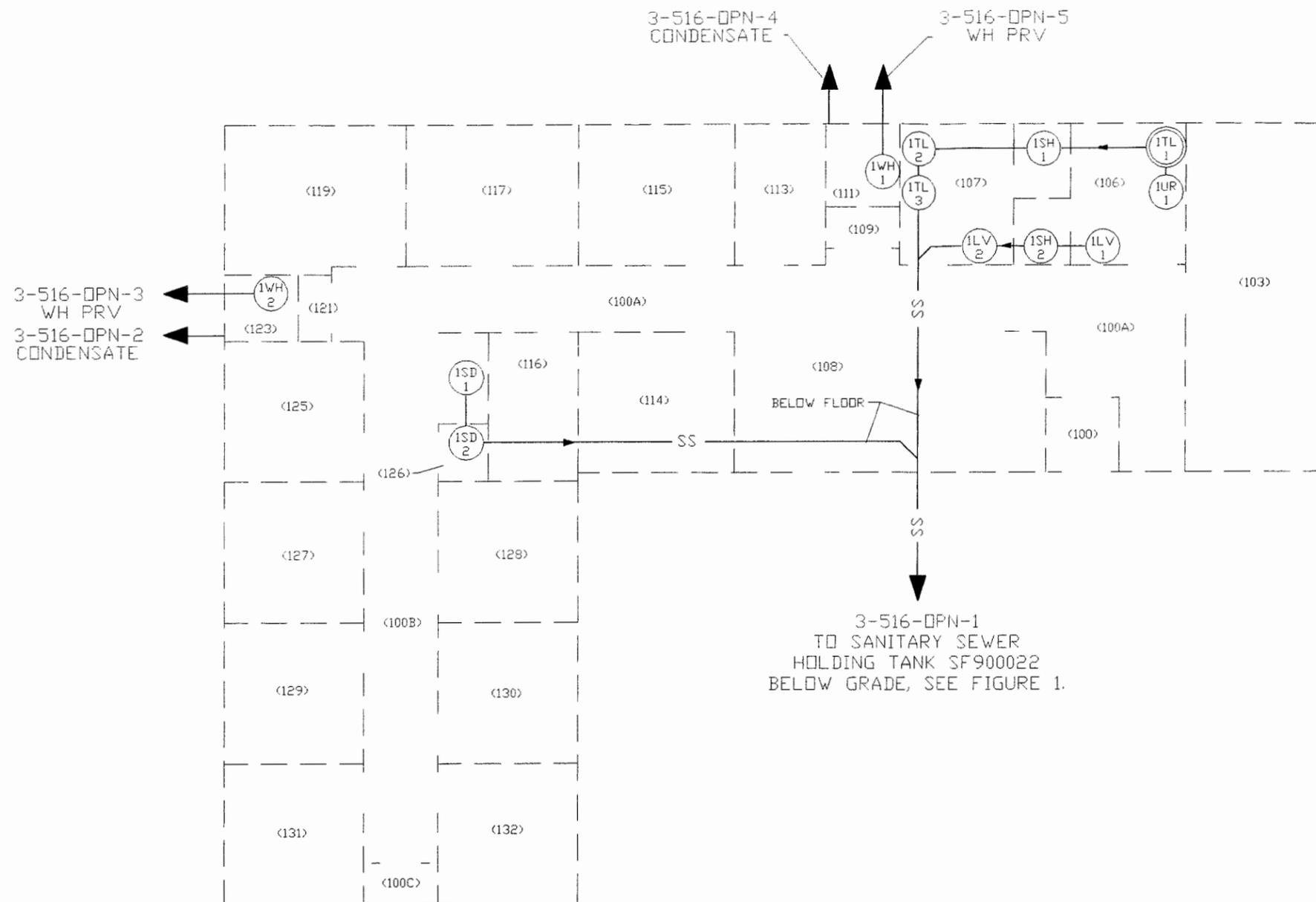


NOTE:
THIS DRAIN SCHEMATIC WAS DERIVED FROM LANL DRAWINGS AND SITE VISITS.

SYMBOL LEGEND	
E.C.	EVAPORATIVE COOLER
LV	LAVATORY
SD	SINK DRAIN
SS	SANITARY SEWER PIPE
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN

○ DYE TESTED DRAIN

SANTA FE ENGINEERING, LTD.			
TA3-463 DRAIN SCHEMATIC		DRAWN	M.E.W.
		DESIGN	M.E.W.
		CHECKED	P.E.B.
		DATE	10-9-92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	1 OF 1
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-45	FIGURE 6	

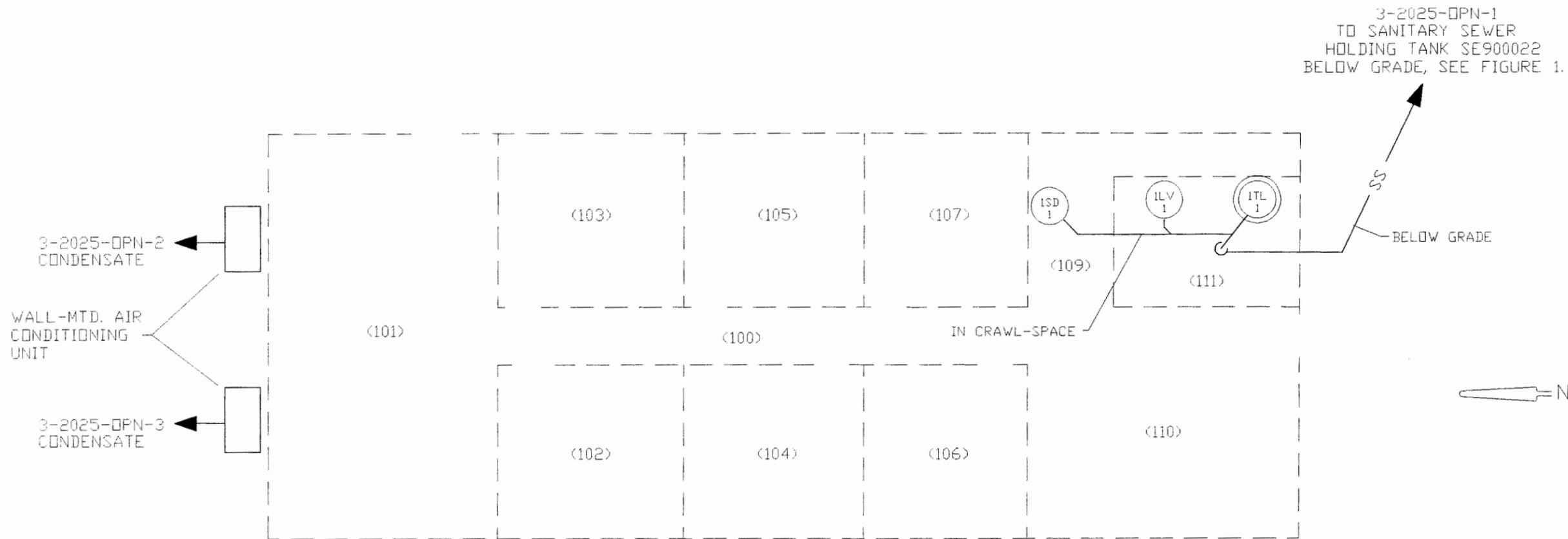


NOTE:
 THIS DRAIN SCHEMATIC WAS DERIVED FROM L.A.N.L. DRAWINGS, SITE VISITS AND DISCUSSIONS WITH USERS AND ENG-8 PERSONEL.

SYMBOL LEGEND	
LV	LAVATORY
SD	SINK DRAIN
SH	SHOWER
TL	TOILET
UR	URINAL
WH	WATER HEATER

 DYE TESTED DRAIN

SANTA FE ENGINEERING, LTD.			
TA3-516 DRAIN SCHEMATIC		DRAWN	M.E.W.
		DESIGN	M.E.W.
		CHECKED	P.E.B.
		DATE	10-9-92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	1 OF 1
		CLASSIFICATION	REVIEWER
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-45	FIGURE 7	



NOTE:

THIS DRAIN SCHEMATIC WAS DERIVED FROM L.A.N.L. DRAWINGS, SITE VISITS AND DISCUSSIONS WITH USERS AND ENG-8 PERSONNEL.

SYMBOL LEGEND	
LV	LAVATORY
SD	SINK DRAIN
SS	SANITARY SEWER PIPE
TL	TOILET

○ DYE TESTED DRAIN

SANTA FE ENGINEERING, LTD.			
TA3-2025 DRAIN SCHEMATIC		DRAWN	M.E.W.
		DESIGN	M.E.W.
		CHECKED	P.E.B.
		DATE	10-9-92
SUBMITTED	RECOMMENDED	APPROVED	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET 1 OF 1
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-45	FIGURE 8	