

# WASTEWATER STREAM CHARACTERIZATION FOR TA-33, 39, 49 AND 69

at  
Los Alamos National Laboratory

## ENVIRONMENTAL STUDY

CHARACTERIZATION REPORT # 26

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WASTEWATER STREAM  
CHARACTERIZATION FOR  
TA-33, 39, 49 AND 69

ENVIRONMENTAL STUDY

prepared for:  
THE LOS ALAMOS NATIONAL LABORATORY  
Los Alamos, New Mexico

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by:  
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## EXECUTIVE SUMMARY

All buildings in TAs 33, 39, 49 and 69 were visited to document all drain piping and to make permitting recommendations. The pipes exiting the building are as follows:

- 1) the following buildings have drains but no water source: 33-1, 33-24, 33-27, 33-40, 33-87, 33-89, 33-90 and 49-114,
- 2) the following buildings do not have any drains: 33-2, 33-16, 33-22, 33-25, 33-26, 33-28, 33-29, 33-36, 33-37, 33-70, 33-71, 33-88, 33-91, 33-95, 33-151, 33-163, 33-164, 33-165, 33-167, 33-168, 33-173, 33-175, 33-177, 33-192, 33-196, 33-199, 33-200, 33-201, 33-202, 33-203, 33-204, 33-205, 33-207, 33-208, 33-209, 33-210, 33-211, 33-212, 33-213, 33-214, 33-215, 33-216, 33-217, 33-227, 33-228, 33-229, 33-255, 39-3, 39-4, 39-5, 39-9, 39-10, 39-54, 39-56, 39-63, 39-64, 39-66, 39-67, 39-68, 39-77, 39-88, 39-95, 39-96, 39-97, 39-101, 39-115, 39-116, 39-119, 39-121, 39-122, 39-123, 39-124, 39-125, 39-134, 39-137, 39-138, 39-139, 39-141, 39-142, 39-143, 39-144, 39-145, 39-146, 39-147, 39-148, 39-150, 39-151, 39-152, 49-23, 49-101, 49-121, 49-122, 49-123, 49-124, 49-130, 49-131, 49-132, 49-133, 49-135, 69-3, 69-4, 69-5, 69-6 and 69-7,
- 3) from 33-19: one outfall to a septic tank,
- 4) from 33-20: one outfall to daylight,
- 5) from 33-23: one outfall to daylight,
- 6) from 33-39: one outfall to a septic tank,
- 7) from 33-86: one discharge to a septic tank, one permitted discharge (04A147) of non-contact cooling water, one unpermitted discharge to a seepage pit or drywell, two storm water outfalls, one unused pipe stub and three miscellaneous outfalls,
- 8) from 33-90: one discharge to a septic tank via connection through building 33-86,
- 9) from 33-113: four storm water discharges, one discharge to a septic tank and one air compressor drain,
- 10) from 33-114: one outfall permitted as 03A038, one discharge to a septic tank and one unused and unpermitted photographic discharge,
- 11) from 33-129: one discharge to daylight and one air compressor drain,

- 12) from 33-178: one discharge to a septic tank and two storm water discharges
- 13) from 39-2: one discharge from a sink to a seepage pit, one discharge from a photographic dark room and from an X-ray machine to an exterior holding tank and a storm water discharge that contains non-storm water discharges,
- 14) from 39-6: one discharge from a cable trench and one air compressor drain,
- 15) from 39-7: one discharge from a cable trench and one air compressor drain,
- 16) from 39-8: one discharge from a cable trench,
- 17) from 39-57: one discharge from a cable trench and one air compressor drain,
- 18) from 39-62: one discharge from a potable water back flow preventer, one discharge to a septic tank and one discharge from a hot water heater,
- 19) from 39-69: one non-contact cooling water discharge permitted as 04A141, one discharge from a potable water back flow preventer, one drain from an air drier, one air compressor drain and one non-contact cooling water discharge that is not permitted,
- 20) from 39-89: six storm water discharges, one discharge to a septic tank, one non-contact cooling water discharge permitted as 04A156 and one vapor vent,
- 21) from 39-89: five storm water discharges, one discharge to a septic tank and one fire water discharge,
- 22) from 39-100: one discharge to a septic tank and one hot water heater discharge,
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- 25) from 39-111: six storm water discharges, one discharge to a septic tank and one hot water heater discharge,
- 26) from 49-113: one discharge to a septic tank and one hot water heater discharge,
- 27) from 49-115: one discharge to a septic tank, one hot water heater discharge and four storm water discharges,

- 28) from 69-1: one discharge to a septic tank,
- 29) from 69-2: one discharge to a septic tank,
- 30) from 69-8: one discharge from two potable water back flow preventers.

Revised EPA Forms 2C are included for the appropriate outfalls. Flows shown on the forms are estimated from site observations and discussions with users, and analytical data are defined from information obtained from previously sampled outfalls.

Recommendation for repiping are provided to permit outfall consolidation to minimize permit maintenance requirements. Floor drain plugging is recommended where potential for discharge of pollutants exists.

A waste stream database has been prepared listing wastewater type and flow rate for each outfall.

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## 1.0 INTRODUCTION

During October, November and December, 1991 and January, 1992, Patrick E. Binkley of Santa Fe Engineering (SFE) toured the buildings of TA-33, TA-39, TA-49 and TA-69 with Mike Saladen of EM-8, Steve Diamond of SFE, Bill Bentley of IT-6, Dave Anderson of EES-4, Tony Valerio of M-6 and Lou Horak of WX-5. The purpose of this study is to identify building drain piping and to characterize the wastewater flows. 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 flow rate and quality. Potential pollutants were also noted;
3. Permit applications for discharges of clean water discharges 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 35) from drawings provided by Los Alamos National Laboratory (LANL) Facilities Engineering Division. The other buildings were visited to insure that no drains exist in 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 also reviewed. The NPDES Permit, the 1990 NPDES Permit Application submitted by LANL in September, 1990 and the latest Federal Facilities Compliance Agreement (FFCA) between DOE and EPA were used for reference;

2. A site visit was performed to verify the SFE drain schematic and to identify potential outfall pipes exiting the building. The visit entailed a room by room inspection of wastewater sources and drains, and interviews with site personnel to assist in waste stream 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 37). 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 Appendix 1 in Tables 1 through 35, with an abbreviations list in Table 37. Appendix 2 contains the waste stream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Completed EPA Forms 2C and 2D are in Appendix 3 for the appropriate outfalls. Appendix 4 provides a information about the dye study of building drains. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 1 through 35.

### 3.0 RECOMMENDATION FOR BUILDING WITH NO DRAINS

Buildings TA 33-2, 33-16, 33-22, 33-25, 33-26, 33-28, 33-29, 33-36, 33-37, 33-70, 33-71, 33-88, 33-91, 33-95, 33-151, 33-163, 33-164, 33-165, 33-167, 33-168, 33-173, 33-175, 33-177, 33-192, 33-196, 33-199, 33-200, 33-201, 33-202, 33-203, 33-204, 33-205, 33-207, 33-208, 33-209, 33-210, 33-211, 33-212, 33-213, 33-214, 33-215, 33-216, 33-217, 33-227, 33-228, 33-229, 33-255, 39-3, 39-4, 39-5, 39-9, 39-10, 39-54, 39-56, 39-63, 39-64, 39-66, 39-67, 39-68, 39-77, 39-88, 39-95, 39-96, 39-97, 39-101, 39-115, 39-116, 39-119, 39-121, 39-122, 39-123, 39-124, 39-125, 39-134, 39-137, 39-138, 39-139, 39-141, 39-142, 39-143, 39-144, 39-145, 39-146, 39-147, 39-148, 39-150, 39-151, 39-152, 49-23, 49-101, 49-121, 49-122, 49-123, 49-124, 49-130, 49-131, 49-132, 49-133, 49-135, 69-3, 69-4, 69-5, 69-6 and 69-7 do not have drains. No changes or permitting are recommended. No EPA Forms were completed.

### 4.0 RECOMMENDATIONS FOR BUILDING 33-1

Table 1 of Appendix 1 is a list of the drains for this building. Figure 1 is a schematic of the structure and drains. At present, this building has no water sources and these drains are inactive. It is recommended that all drains in this building be permanently plugged or removed. Also, the existing septic tank (LA-36) should be decommissioned and the State permit eliminated.

### 5.0 RECOMMENDATIONS FOR BUILDING 33-19

Table 2 is a list of the drains to the building outfalls and Figure 2 is a schematic of the piping. The one outfall is to septic tank TA-33-31 (LA-32). Roof drains RD1, RD2, RD3 and RD4 are currently tied in to the sanitary sewer and discharge to the septic tank. These drains should be separated and discharged to the ground or the site storm sewer system. Floor drain 1FD5, located in the mechanical room, receives flow from mechanical

equipment drains (six) and an air compressor. The air compressor discharge should be containerized. The mechanical equipment drains (boiler (3), water heater (1), backflow preventer (1) and expansion tank (1)) should be repiped to discharge to daylight and should be included in a general Laboratory Notice of Intent (NOI) to discharge. No permitting is recommended. No EPA Forms were completed.

#### **6.0 RECOMMENDATIONS FOR BUILDING 33-20**

Table 3 is a list of the drains to the building outfall and Figure 3 is a schematic of the piping. This building has two floor drains that are supposed to go to daylight to the canyon east of the building. The outfall pipe could not be located. The building has no source of water for the drains. Plugging of the floor drains is recommended. No permitting is recommended and no EPA Forms were completed.

#### **7.0 RECOMMENDATIONS FOR BUILDING 33-23**

Table 4 is a list of the drains to the building outfall and Figure 4 is a schematic of the piping. The sink that flows to this outfall does not presently have any water supply. Schon Levy of the Geology and Geochemistry Group (EES-1) would like to be able to use the sink for hand washing. For this purpose, the existing outlet to daylight from the settling tank should be plugged and the tank included on the schedule for the vacuum truck that cleans out the septic tanks. No permitting is recommended and no EPA Forms were completed. It should be noted that there is a septic system holding tank (LA-124/33-206) located immediately adjacent to this building. This tank was installed to service a mobile home trailer that has been removed. This tank does not service building 33-23 and should be decommissioned and the state permit eliminated.

## 8.0 RECOMMENDATIONS FOR BUILDING 33-24

Table 5 of Appendix 1 is a list of the drains for this building. Figure 5 is a schematic of the drains in the building. At present, this building has no water sources and these drains are inactive. This structure is condemned and is considered a "confined space" (no Access). It is apparently scheduled for demolition in the near future. It is recommended that the septic tank serving this structure be immediately decommissioned and the state permit deleted; discharge from the septic tank is to daylight, there is no absorption field. Since the building requires a "Confined Space Entry Permit", plugging of the drains is not recommended at this time. No permitting is recommended and no EPA forms were prepared.

### 8.1 Outfall 33-24-OPN-1

This outfall discharges to septic tank LA-33. There is a single toilet discharging to this outfall. Inspection of the septic tank system revealed that there is no absorption field on the discharge side of the septic tank. A single open pipe extends from the septic tank out over the canyon rim. Since this structure is abandoned and to be demolished, it is recommended that the septic tank discharge pipe be permanently capped, the septic tank be decommissioned and the NMED septic permit eliminated. No permitting is recommended and no EPA forms were prepared.

### 8.2 Outfall 33-24-OPN-2

This outfall discharges to daylight. Drains contributing to this outfall include one floor drain and one sink drain. It is recommended that the discharge pipe be removed or permanently capped. Since this building is abandoned and requires a "Confined Space Entry Permit" removal of drains as an alternate

is not recommended. There is no flow at this outfall. No permitting is recommended and no EPA forms were prepared.

### 8.3 Outfall 33-24-OPN-3

This outfall is to a dry well located beneath the single trench drain that connects to it. Since the building is abandoned and to be demolished, plugging of this drain is not recommended at this time. No permitting is recommended and no EPA forms were prepared.

## 9.0 RECOMMENDATIONS FOR BUILDING 33-27

Table 6 of Appendix 1 is a list of the drains for this building. Figure 6 is a schematic of the drains in the building. At present, this building has no water sources and these drains are inactive. It is recommended that all drains in this building be permanently plugged. No permitting is recommended and no EPA forms were prepared.

## 10.0 RECOMMENDATION FOR BUILDING 33-39

Table 7 is a list of the drains to the building outfall and Figure 7 is a schematic of the piping. The two outfalls are to septic tank TA-33-31 (LA-32).

### 10.1 Outfall 33-39-OPN-1

This discharge is to septic tank system 33-31 (LA-32) and receives flow from one toilet, one urinal, one lavatory, one sink drain and one water fountain. It is recommended that all drains be labeled as sanitary drains with no chemical disposal allowed. No permitting is recommended and no EPA forms were prepared.

## 10.2 Outfall 33-39-OPN-2

This outfall to septic tank TA-33-31 (LA-32) receives flow from a single floor drain in an attached equipment room. The only equipment in this room is an air compressor. The compressor discharge should be containerized. Floor drain 1FD1 was plugged with debris and could not be dye tested. It is recommended that this drain be permanently plugged. No permitting is recommended and no EPA forms were prepared.

## 11.0 RECOMMENDATIONS FOR BUILDING 33-40

Table 8 of Appendix 1 is a list of the drains for this building. Figure 8 is a schematic of the drains in the building. At present, this building has no water sources and the drain is inactive. It is recommended that the single-floor drain in this building (partially blocked with debris) be permanently plugged. No permitting is recommended and no EPA forms were prepared.

## 12.0 RECOMMENDATIONS FOR BUILDING 33-86

Table 9 is a list of the drains to the building outfalls and Figure 9 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.

### 12.1 Outfall 33-86-OPN-1

This outfall is permitted as 04A147 and receives flow from four sinks and four floor drains. Three of the floor drains (1FD2, 1FD3 and 1FD4) have been permanently plugged by the User as of April 93. The one active floor drain (1FD1) is also covered with a metal plate. The plate has a hole in it with tubing from a once-through cooling system inserted through the hole into the drain. Lou Horak of the Weapons Subsystems Group (WX-5) says

that the cooling system is not currently used and will probably be used only slightly in the future. It is recommended that the once-through cooling system be removed per Laboratory water use policy when current short-term use ends. If the User group decides to reactivate long-term use of this cooling system a closed-loop, recirculating heat rejection system should be employed. Permanent plugging of the drain is recommended so as to eliminate the potential for a spill of tritium contaminated water. Removal and plugging of the sinks is also recommended as the sinks are not used; sinks are currently temporarily plugged. A source of water will be needed for the janitor's mop water in lieu of sink 1SD1. Deletion of this permitted outfall is recommended. An EPA form 2-C was completed and is contained in Appendix 3.

#### 12.2 Outfall 33-86-OPN-2

This outfall receives flow from sanitary facilities and an equipment room. The flow is to septic tank TA-33-93 (LA-35). Floor drain 1FD5 in the equipment room receives flow from three air compressor drains, one expansion tank drain, one water system pressure relief valve (PRV), one air handler (A/H) condensate drain, one heating system drain and one circulating pump water jacket drain. It is recommended that the three air compressor drains be containerized to eliminate oil discharging to the sanitary system. The remaining equipment drains to 1FD5 should be repiped to discharge to daylight outside and should be included in a general Laboratory NOI. Floor drain 1FD6 in the equipment room receives flow from two BFP drains, one water heater (WH) PRV, one air washer blowdown and one air washer drain. It is recommended that all these equipment drains be rerouted to outside and be included in a general Laboratory NOI. No permitting is recommended. No EPA Forms were completed.

### 12.3 Outfall 33-86-OPN-3

This outfall receives flow from one roof drain. No piping changes or permitting actions are recommended. No EPA Forms were completed.

### 12.4 Outfall 33-86-OPN-4

It is believed that this outfall discharges to an underground seepage pit southeast of the building adjacent to septic tank 33-93 that could not be located. Drains contributing to this outfall include two (2) floor drains and one (1) sink drain, none of which could be verified by dye testing. Both floor drains have been permanently plugged. It is recommended that the sink be removed or permanently plugged. Furthermore, it is highly recommended that the User verify the locations, contents and condition of the seepage pit. The contents of the pit should be removed and transported to the appropriate treatment facility. The pit should then be decommissioned and this outfall deleted. No permitting is recommended and no EPA forms have been prepared.

### 12.5 Outfall 33-86-OPN-5

This outfall to daylight is a storm gutter drain. No changes are recommended. No permitting is recommended and no EPA forms have been prepared.

### 12.6 Outfall 33-86-OPN-6

This pipe to daylight is a gas bottle connection on the exterior of the building. No changes or permitting are recommended. No EPA forms were prepared.

12.7 Outfall 33-86-OPN-7

This outfall is a 1/2 inch copper tube that serves as a fresh air intake for an air sampling monitor. No changes or permitting are recommended. No EPA forms were prepared.

12.8 Outfall 33-86-OPN-8

This discharge to daylight is a 2" diameter pipe stub from the equipment room. Removal is recommended. No permitting is required and no EPA forms were prepared.

12.9 Outfall 33-86-OPN-9

This is a pneumatic air vent discharge to daylight. No changes or permitting are recommended. No EPA forms were prepared.

13.0 **RECOMMENDATIONS FOR BUILDING 33-87**

Table 10 of Appendix 1 is a list of the drains for this building. Figure 10 of Appendix 5 is a schematic of the drain system. At present, this building has no source of water and the drains are inactive, but it is being reactivated for use by an unknown group. Access to the building was not possible at the time of inspection although several attempts were made. No dye testing was possible.

13.1 Outfall 33-87-OPN-1

This outfall is to septic tank system LA-34 (33-96) and receives discharge from one toilet, one lavatory and one water fountain (per archive drawings). It is recommended that the new user group verify the discharge of these drains to the septic tank. No permitting is recommended and no EPA forms were prepared.

### 13.2 Outfall 33-87-OPN-2

This outfall discharges to daylight and would receive flow from one sink drain and one floor drain (1SD1 and 1FD1) per archive drawings. At present, there is no flow. It is recommended that the sink be removed, the floor drain be permanently plugged and the discharge pipe be capped prior to any new use of the building. No permitting is recommended and no EPA forms were prepared.

### 13.3 Outfall 33-87-OPN-3

This discharge to daylight (per archive drawings) is the occasional discharge of a water heater PRV. If the building is reused this should be included in a general Laboratory NOI. No permitting is recommended and no EPA forms were prepared.

## **14.0 RECOMMENDATIONS FOR BUILDING 33-89**

Table 11 of Appendix 1 is a list of the drains for this building. Figure 11 is a schematic of the drains in the building. At present, this building has no water source and these drains are inactive. It is recommended that all drains in this building be permanently plugged or removed. No permitting is recommended and no EPA forms were prepared.

## **15.0 RECOMMENDATIONS FOR BUILDING 33-90**

Table 12 of Appendix 1 is a list of the drains for this building. Figure 12 is a schematic of the drains in the building. This building is a former guard station that was not used for several years. It is now being used as an office for the person in charge of building 33-86 clean-up, Mr. Don Green. There is a single outfall from this building, 33-90-OPN-1, that flows to septic tank 33-93 (LA-35) via building 33-86. No change or permitting is recommended and no EPA forms have been completed.

## 16.0 RECOMMENDATIONS FOR BUILDING 33-113

Table 13 is a list of the drains to the building outfalls and Figure 13 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.

### 16.1 Outfalls 33-113-OPN-1, 33-113-OPN-3, 33-113-OPN-4 and 33-113-OPN-5

These outfalls are roof drains. No piping changes or permitting are recommended. No EPA Forms were completed.

### 16.2 Outfall 33-113-OPN-2

This outfall receives flow from sanitary facilities and drains to septic tank TA-33-31 (LA-32). No piping changes or permitting are recommended. No EPA Forms were completed.

### 16.3 Outfall 33-113-OPN-6

This outfall is from a knockout pot on an air compressor. Collecting the water in a container is recommended so that the any oil will be contained. No EPA Forms were completed.

## 17.0 RECOMMENDATIONS FOR BUILDING 33-114

Table 14 is a list of the drains to the building outfalls and Figure 14 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.

### 17.1 Outfall 33-114-OPN-1

This outfall is permitted as 03A038 and receives flow from sink drains, floor drains, equipment drains and cup drains in office/laboratories, a conference room sink, roof drains and floor drains in mechanical equipment rooms. Most of the sinks are not used. The conference room sink is used frequently. No chemicals are drained to any of the sinks. Repiping of the sinks and floor drains to the septic tank is recommended. Floor drains 1FD3 and 1FD4 in the first floor equipment room should be plugged. Existing equipment drains to these floor drains should be rerouted to the outside and be included in a general Laboratory NOI. The existing air washer in the basement should be replaced with a mechanical refrigeration device to eliminate the treated cooling water discharge. Air compressor discharges should be containerized. The basement sump pump should be repiped to discharge outside to daylight and should be included in a general Laboratory NOI. The roof drains should be reconnected to the existing outfall as its only source. If these changes are accomplished, the existing 03A038 outfall will be storm water only and the permit can be eliminated completely. A revised EPA form 2C is attached for the existing permitted outfall.

### 17.2 Outfall 33-114-OPN-2

This outfall is from sanitary facilities. Inclusion of new drains to this outfall is discussed above. This outfall is to septic tank TA-33-31 (LA-32). No changes are recommended and no permitting is required. No EPA Forms were completed.

### 17.3 Outfall 33-114-OPN-3

This outfall is from a photo processing sink and has not yet been used. The users are waiting for permission to use the outfall. At present, this photo area is administratively closed. Plugging

of this outfall is recommended. No permitting is recommended and no EPA Forms are attached.

## **18.0 RECOMMENDATIONS FOR BUILDING 33-129**

Table 15 is a list of the drains to the building outfalls and Figure 15 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.

### **18.1 Outfall 33-129-OPN-1**

This outfall is from floor drain 1FD1 in an almost empty equipment room. When water was run down the drain, the destination of the outfall could not be determined. Plugging of this drain is recommended. If the drain is not plugged, the User should verify this outfall. No permitting is recommended. No EPA Forms were completed.

### **18.2 Outfall 33-129-OPN-2**

This outfall is from a knockout pot on an air compressor. Collecting the water in a container is recommended so that any oil will be contained. No EPA Forms were completed.

## **19.0 RECOMMENDATIONS FOR BUILDING 33-178**

Table 16 is a list of the drains to the building outfalls and Figure 16 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.

### 19.1 Outfall 33-178-OPN-1

The drains to this outfall are all from sanitary sources. The outfall flows to septic tank TA-33-179 (SF 89032R). No changes or permitting are recommended. No EPA Forms were completed.

### 19.2 Outfalls 33-178-OPN-2 and 33-178-OPN-3

These two outfalls are roof drains. No changes or permitting are recommended. No EPA Forms were completed.

## 20.0 RECOMMENDATIONS FOR BUILDING 39-2

Table 17 is a list of the drains to the building outfalls and Figure 17 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.

### 20.1 Outfall 39-2-OPN-1

This outfall receives rinse water from a sink. The outfall presently discharges to a seepage pit. It is recommended that this sink be eliminated or repiped to the sanitary system. No permitting is recommended and no EPA forms were prepared.

### 20.2 Outfall 39-2-OPN-2

This outfall to septic tank LA-44 receives flow from sanitary facilities, floor drains in a shop, a kitchen sink and sinks in offices and labs. No chemicals are drained to the sinks in the offices and labs. The floor drains in the shop should be plugged. It is also recommended that sinks in labs be containerized or removed. No permitting is recommended for this outfall. No EPA Forms were prepared.

### 20.3 Outfall 39-2-OPN-3

This outfall receives flow from roof drains and equipment room drains. It is recommended that the roof drains be separated and discharged as a separate outfall. The equipment room sump discharge should be repiped to a separate discharge to daylight to be included in a general Laboratory NOI. No permitting is recommended and no EPA forms were prepared.

### 20.4 Outfall 39-2-OPN-4

This outfall receives discharge from a dark room sink and an X-ray machine. The discharge is a "TUF-TANK" holding tank on the building exterior. Contents of the tank are periodically removed by truck for treatment. This outfall previously discharged to the OPN-1 seepage pit but has been modified by the operating group.

## 21.0 RECOMMENDATIONS FOR BUILDING 39-6

Table 18 is a list of the drains to the building outfalls and Figure 18 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.

### 21.1 Outfall 39-6-OPN-1

This outfall is from the drain in an electrical cable trench. Drawings indicate that the discharge is to a seepage pit. Plugging of the drain is recommended. No permitting is recommended. No EPA Forms were completed.

## 21.2 Outfall 39-6-OPN-2

This outfall is from a knockout pot on an air compressor. Collecting the water in a container is recommended so that the any oil will be contained. No EPA Forms were completed.

## 22.0 RECOMMENDATIONS FOR BUILDING 39-7

Table 19 is a list of the drains to the building outfalls and Figure 19 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.

### 22.1 Outfall 39-7-OPN-1

This outfall is from the drain in an electrical cable trench. Drawings indicate that the discharge is to a seepage pit. This drain should be plugged. No EPA Forms were completed.

### 22.2 Outfall 39-7-OPN-2

This outfall is from a knockout pot on an air compressor. Collecting the water in a container is recommended so that any oil will be contained. No EPA Forms were completed.

## 23.0 RECOMMENDATIONS FOR BUILDING 39-8

Table 20 is a list of the drains to the building outfall and Figure 20 is a schematic of the piping. This outfall is from the drain in an electrical cable trench. Drawings indicate that the discharge is to a seepage pit. It is recommended that this drain be plugged. No EPA Forms were completed.

## 24.0 RECOMMENDATIONS FOR BUILDING 39-57

Table 21 is a list of the drains to the building outfalls and Figure 21 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.

### 24.1 Outfall 39-57-OPN-1

This outfall is from the drain in an electrical cable trench. Drawings indicate that the discharge is to a seepage pit. It is recommended that this drain be plugged. No EPA Forms were completed.

### 24.2 Outfall 39-57-OPN-2

This outfall is from a knockout pot on an air compressor. Collecting the water in a container is recommended so that any oil will be contained. No EPA Forms were completed.

## 25.0 RECOMMENDATIONS FOR BUILDING 39-62

Table 22 is a list of the drains to the building outfalls and Figure 22 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.

### 25.1 Outfall 39-62-OPN-1

This outfall is the drain from a potable water BFP. This outfall should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

## 25.2 Outfall 39-62-OPN-2

This outfall goes to septic tank LA-44 and is from a sink in a storage building. The sink does not appear to receive any regular flow. No permitting is recommended. No EPA Forms were completed.

## 25.3 Outfall 39-62-OPN-3

This outfall is from the PRV on a hot water heater. This outfall should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

## 26.0 RECOMMENDATIONS FOR BUILDING 39-69

Table 23 is a list of the drains to the building outfalls and Figure 23 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.

### 26.1 Outfall 39-69-OPN-1

This outfall is non-contact cooling water from test equipment and is presently permitted as 04A141. It is recommended that the once-through cooling water system should be removed and replaced with a closed-loop, recirculating heat rejection system in accordance with the Laboratory water use policy. The existing 04A141 permit can then be deleted. An EPA Form 2C is attached for this existing outfall.

26.2 Outfall 39-69-OPN-2

This outfall is from a potable water BFP preventer. This outfall should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

26.3 Outfall 39-69-OPN-3

This outfall is from the drain on an air drier. This outfall should be covered by an NOI for clean water discharge. No permitting is recommended. No EPA Forms were completed.

26.4 Outfall 39-69-OPN-4

This outfall is from a knock out pot on an air compressor. Collecting the water in a container is recommended so that any oil will be contained. No EPA Forms were completed.

26.5 Outfall 39-69-OPN-5

This outfall is non-contact cooling water from test equipment and is presently not permitted. Building personnel indicated that the discharge was temporary and had been in operation since June, 1991. Combining this flow with the recommended closed-loop recirculating system for 39-69-OPN-1 is recommended. An EPA form 2C has been prepared, including this outfall with the 04A141 permitted outfall for 39-69-OPN-1.

**27.0 RECOMMENDATIONS FOR BUILDING 39-89**

Table 24 is a list of the drains to the building outfalls and Figure 24 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.

27.1 Outfalls 39-89-OPN-1, 39-89-OPN-2, 39-89-OPN-5, 39-89-OPN-7, 39-89-OPN-8 and 39-89-OPN-9

These six outfalls are roof drains. No changes or permitting are recommended. No EPA Forms were completed.

27.2 Outfall 39-89-OPN-3

This outfall receives flow from three sinks in a testing lab. The sinks are used for hand washing and no chemicals are drained in them. The outfall apparently flows to a septic tank. A stand pipe was located outside the building in which the flow could be heard but no septic tank could be located in the snow. It is recommended that the User verify the destination of this outfall. No piping changes or permitting are recommended. No EPA Forms were completed.

27.3 Outfall 39-89-OPN-4

This outfall is non-contact cooling water from test equipment and is presently permitted as 04A156. It is recommended that the once-through cooling water system should be removed and replaced with a closed-loop, recirculating heat rejection system in accordance with the Laboratory water use policy. The existing 04A156 permit can then be deleted. An EPA Form 2C is attached for this existing outfall.

27.4 Outfall 39-89-OPN-6

This outfall is a gas vent and does not require permitting under NPDES. No EPA Forms were completed.

**28.0 RECOMMENDATIONS FOR BUILDING 39-98**

Table 25 is a list of the drains to the building outfalls and Figure 25 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.

28.1 Outfall 39-98-OPN-1, 39-98-OPN-2, 39-98-OPN-3, 39-98-OPN-6 and 39-98-OPN-7

These five outfalls are roof drains. No changes or permitting are recommended. No EPA Forms were completed.

28.2 Outfall 39-98-OPN-4

This outfall receives flow from sanitary facilities and a sink in the shop area and discharges to septic tank LA-44. The six floor drains in the shop (1FD1 through 1FD6) have recently been permanently plugged by the Operating Group. No other piping changes are recommended. No EPA Forms were completed.

28.3 Outfall 39-98-OPN-5

This outfall is from the drain from the fire water system. This outfall should be covered by an NOI for fire water discharge. No permitting is recommended. No EPA Forms were completed.

## **29.0 RECOMMENDATIONS FOR BUILDING 39-100**

Table 26 is a list of the drains to the building outfalls and Figure 26 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.

### **29.1 Outfall 39-100-OPN-1**

This outfall is from sanitary facilities and flows to septic tank LA-44. No piping changes or permitting are recommended. No EPA Forms were completed.

### **29.2 Outfall 39-100-OPN-2**

This outfall is from the relief valve on a hot water heater and should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

## **30.0 RECOMMENDATIONS FOR BUILDING 39-103**

Table 27 is a list of the drains to the building outfalls and Figure 27 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.

### **30.1 Outfall 39-103-OPN-1**

This outfall is from sanitary facilities and flows to a septic tank. No piping changes or permits are recommended. No EPA Forms were completed.

30.2 Outfall 39-103-OPN-2

This outfall is from the relief valve on a hot water heater and should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

**31.0 RECOMMENDATIONS FOR BUILDING 39-107**

Table 28 is a list of the drains to the building outfall and Figure 28 is a schematic of the piping. This outfall is from sanitary facilities and flows to a septic tank. No piping changes or permitting are recommended. No EPA Forms were completed.

**32.0 RECOMMENDATIONS FOR BUILDING 39-111**

Table 29 is a list of the drains to the building outfalls and Figure 29 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.

32.1 Outfalls 39-111-OPN-1, 39-111-OPN-2, 39-111-OPN-3, 39-111-OPN-5, 39-111-OPN-7 and 39-111-OPN-8

These six outfalls are roof drains. No changes or permitting are recommended. No EPA Forms were completed.

32.2 Outfall 39-111-OPN-4

This outfall is from sanitary facilities and flows to septic tank SF890024. No piping changes or permitting are recommended. No EPA Forms were completed.

### 32.3 Outfall 39-111-OPN-6

This outfall is from the relief valve on a hot water heater and should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

### 33.0 RECOMMENDATIONS FOR BUILDING 49-113

Table 30 is a list of the drains to the building outfalls and Figure 30 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.

#### 33.1 Outfall 49-113-OPN-1

The drains to this outfall are all from sanitary sources. The outfall flows to septic tank LA-49. No changes or permitting are recommended. No EPA Forms were completed.

#### 33.2 Outfall 49-113-OPN-2

This outfall is from the relief valve on a hot water heater and should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

### 34.0 RECOMMENDATIONS FOR BUILDING 49-114

Table 31 of Appendix 1 is a list of the drains for this building. Figure 31 is a schematic of the drains in the building. At present, this building has no water sources and these drains are inactive. It is recommended that all drains in this building be permanently plugged. No permitting is recommended and no EPA forms have been prepared.

### 35.0 RECOMMENDATIONS FOR BUILDING 49-115

Table 32 is a list of the drains to the building outfalls and Figure 32 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.

#### 35.1 Outfall 49-115-OPN-1

The drains to this outfall are all from sanitary sources. The outfall flows to septic tank LA-49. No changes or permitting are recommended. No EPA Forms were completed.

#### 35.2 Outfall 49-115-OPN-2

This outfall is from the PRV on a hot water heater and should be covered by an NOI for potable water discharge. No permitting is recommended. No EPA Forms were completed.

#### 35.3 Outfalls 49-115-OPN-3, 49-115-OPN-4, 49-114-OPN-5 and 49-115-OPN-6

These four outfalls are roof drains. No changes or permitting are recommended. No EPA Forms were completed.

### 36.0 RECOMMENDATIONS FOR BUILDING 69-1

Table 33 is a list of the drains to the building outfall and Figure 33 is a schematic of the piping. The outfall discharges into septic tank SF890025. The sources are all sanitary and are appropriate for a septic tank. No piping changes or permitting are recommended. No EPA Forms were prepared.

### 37.0 RECOMMENDATIONS FOR BUILDING 69-2

Table 34 is a list of the drains to the building outfall and Figure 34 is a schematic of the piping. The outfall discharges into septic tank SF890025. The eight sources are all sanitary and are appropriate for a septic tank. No piping changes or permitting are recommended. No EPA Forms were prepared.

### 38.0 RECOMMENDATIONS FOR BUILDING 69-8

Table 35 is a list of the drains to the building outfall and Figure 35 is a schematic of the piping. Two potable water back flow preventers drip about 1 gallon per minute of water into the floor drains. Leakage from back flow preventers is not to be expected during normal operation. These should be checked to determine if repairs are needed. The back flow preventers should be repiped to discharge directly outside to daylight and should be included in a general Laboratory NOI. Since no sanitary system is available the floor drains should be plugged. No permitting is recommended. No EPA Forms were completed.

### 39.0 CONCLUSION

This document provides the information to characterize the buildings of TAs 33, 39, 49 and 69. Permit application forms have been completed for the following existing outfalls (Appendix 3):

Form 2C:

- |                         |                          |
|-------------------------|--------------------------|
| 1. 33-86-OPN-1 (04A147) | 2. 33-114-OPN-1 (03A038) |
| 3. 39-69-OPN-1 (04A141) | 4. 36-69-OPN-5 (04A141)  |
| 5. 39-89-OPN-4 (04A156) |                          |

All 04A permits are recommended to be deleted.

Permitting is not recommended for the remaining outfalls, as itemized below:

Areas that do not have any drains:

- |            |            |            |            |
|------------|------------|------------|------------|
| 1. 33-2    | 2. 33-16   | 3. 33-22   | 4. 33-25   |
| 5. 33-26   | 6. 33-28   | 7. 33-29   | 8. 33-36   |
| 9. 33-37   | 10. 33-70  | 11. 33-71  | 12. 33-88  |
| 13. 33-91  | 14. 33-95  | 15. 33-151 | 16. 33-163 |
| 17. 33-164 | 18. 33-165 | 19. 33-167 | 20. 33-168 |
| 21. 33-173 | 22. 33-175 | 23. 33-177 | 24. 33-192 |
| 25. 33-196 | 26. 33-199 | 27. 33-200 | 28. 33-201 |
| 29. 33-202 | 30. 33-203 | 31. 33-204 | 32. 33-205 |
| 33. 33-207 | 34. 33-208 | 35. 33-209 | 36. 33-210 |
| 37. 33-211 | 38. 33-212 | 39. 33-213 | 40. 33-214 |
| 41. 33-215 | 42. 33-216 | 43. 33-217 | 44. 33-227 |
| 45. 33-228 | 46. 33-229 | 47. 33-255 | 48. 39-3   |
| 49. 39-4   | 50. 39-5   | 51. 39-9   | 52. 39-10  |
| 53. 39-54  | 54. 39-56  | 55. 39-63  | 56. 39-64  |
| 57. 39-66  | 58. 39-67  | 59. 39-68  | 60. 39-77  |
| 61. 39-88  | 62. 39-95  | 63. 39-96  | 64. 39-97  |
| 65. 39-101 | 66. 39-115 | 67. 39-116 | 68. 39-119 |
| 69. 39-121 | 70. 39-122 | 71. 39-123 | 72. 39-124 |
| 73. 39-125 | 74. 39-134 | 75. 39-137 | 76. 39-138 |
| 77. 39-139 | 78. 39-141 | 79. 39-142 | 80. 39-143 |
| 81. 39-144 | 82. 39-145 | 83. 39-146 | 84. 39-147 |
| 85. 39-148 | 86. 39-150 | 87. 39-151 | 88. 39-152 |
| 89. 49-23  | 90. 49-101 | 91. 49-121 | 92. 49-122 |
| 93. 49-123 | 94. 49-124 | 95. 49-130 | 96. 49-131 |
| 97. 49-132 | 98. 49-133 | 99. 49-135 | 100. 69-3  |
| 101. 69-4  | 102. 69-5  | 103. 69-6  | 104. 69-7  |

Areas that have drains but no water supply:

- |          |          |           |          |
|----------|----------|-----------|----------|
| 1. 33-1  | 2. 33-24 | 3. 33-27  | 4. 33-40 |
| 5. 33-87 | 6. 33-89 | 7. 49-114 |          |

Vapor vents:

1. 39-89-OPN-6

Discharges to septic tanks:

- |                  |                  |                  |
|------------------|------------------|------------------|
| 1. 33-19-OPN-1   | 2. 33-39-OPN-1   | 3. 33-86-OPN-2   |
| 4. 33-113-OPN-2  | 5. 33-114-OPN-2  | 6. 33-178-OPN-1  |
| 7. 39-2-OPN-2    | 8. 39-62-OPN-2   | 9. 39-89-OPN-3   |
| 10. 39-98-OPN-4  | 11. 39-100-OPN-1 | 12. 39-103-OPN-1 |
| 13. 39-107-OPN-1 | 14. 39-11-OPN-4  | 15. 49-113-OPN-1 |
| 16. 49-115-OPN-1 | 17. 69-1-OPN-1   | 18. 69-2-OPN-1   |

Storm water discharges:

- |                  |                  |                  |
|------------------|------------------|------------------|
| 1. 33-86-OPN-3   | 2. 33-113-OPN-1  | 3. 33-113-OPN-3  |
| 4. 33-113-OPN-4  | 5. 33-113-OPN-5  | 6. 33-178-OPN-2  |
| 7. 33-178-OPN-3  | 8. 39-2-OPN-3    | 9. 39-89-OPN-1   |
| 10. 39-89-OPN-2  | 11. 39-89-OPN-5  | 12. 39-89-OPN-7  |
| 13. 39-89-OPN-8  | 14. 39-89-OPN-9  | 15. 39-98-OPN-1  |
| 16. 39-98-OPN-2  | 17. 39-98-OPN-3  | 18. 39-98-OPN-6  |
| 19. 39-98-OPN-7  | 20. 39-111-OPN-1 | 21. 39-111-OPN-2 |
| 22. 39-111-OPN-3 | 23. 39-111-OPN-5 | 24. 39-111-OPN-7 |
| 25. 39-111-OPN-8 | 26. 49-115-OPN-3 | 27. 49-115-OPN-4 |
| 28. 49-115-OPN-5 | 29. 49-115-OPN-6 |                  |

Discharges from air compressor knockout pots:

- |                 |                 |                |
|-----------------|-----------------|----------------|
| 1. 33-113-OPN-6 | 2. 33-129-OPN-2 | 3. 39-6-OPN-1  |
| 4. 39-7-OPN-2   | 5. 39-57-OPN-2  | 6. 39-69-OPN-4 |

Discharges from potable water back flow preventers:

- |                |                |               |
|----------------|----------------|---------------|
| 1. 39-62-OPN-1 | 2. 39-69-OPN-2 | 3. 69-8-OPN-1 |
|----------------|----------------|---------------|

Discharges from hot water heaters:

- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| 1. 39-62-OPN-3  | 2. 39-100-OPN-2 | 3. 39-103-OPN-2 |
| 4. 39-111-OPN-6 | 5. 49-113-OPN-2 | 6. 49-115-OPN-2 |

Discharges from air driers:

1. 39-69-OPN-3

Discharges from the fire water system:

1. 39-98-OPN-5

**Miscellaneous discharges:**

- |                  |                  |                |
|------------------|------------------|----------------|
| 1. 33-20-OPN-1   | 2. 33-23-OPN-1   | 3. 33-86-OPN-4 |
| 4. 33-114-OPN-3  | 5. 33-129-OPN-1  | 6. 39-2-OPN-4  |
| 7. 39-6-OPN-1    | 8. 39-8-OPN-1    | 9. 39-57-OPN-1 |
| 10. 49-113-OPN-2 | 11. 49-115-OPN-2 |                |

The following outfalls have storm water combined with non-storm water discharges, as defined in Forms 2D, Appendix 3:

- |                |                 |               |
|----------------|-----------------|---------------|
| 1. 33-19-OPN-1 | 2. 33-114-OPN-1 | 3. 39-2-OPN-3 |
|----------------|-----------------|---------------|

Recommended permitting and corrective actions for each building are outlined in Tables 1 through 35 as well as in the above text. As well, Table 36 contains recommendations not associated with any specific drain. Corrective action should be performed as soon as practicable to minimize the chance of unpermitted discharge of pollutants.

TABLE 1: TA 33-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-1-OPN-1 SEPTIC TANK LA-36	1LV1	REST ROOM		PLUG	no
	1TL1	REST ROOM		PLUG	
33-1-OPN-2	N/A	WATER HEATER		ELIMINATE	no
33-1-OPN-3	N/A	STEAM CONDENSATE		ELIMINATE	no

TABLE 2: TA 33-19 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-19-OPN-1 SEPTIC TANK LA-32	1ED1	LAB	4	NO CHANGE	no
	1FD1	CORRIDOR	N/A	NO CHANGE	
	1FD2	LAB	2	NO CHANGE	
	1FD3	LADIES REST ROOM	8	NO CHANGE	
	1FD4	MEN'S REST ROOM	9	NO CHANGE	
	1FD5	EQUIPMENT ROOM	10	MODIFY	
	1LV1	LADIES REST ROOM	8	NO CHANGE	
	1LV2	MEN'S REST ROOM	9	NO CHANGE	
	1LV3	MEN'S REST ROOM	9	NO CHANGE	
	1SD1	LAB/OFFICE	4	NO CHANGE	
	1SD2	JANITOR'S CLOSET		NO CHANGE	
	1SD3	LAB	3	REMOVED	
	1SD4	CORRIDOR		REMOVED	
	1SD5	LAB/OFFICE	5	NO CHANGE	
	1SH1	LOCKER ROOM	7	NO CHANGE	
	1SH2	LOCKER ROOM	7	NO CHANGE	
	1SH3	LADIES REST ROOM	8	NO CHANGE	
	1TL1	LADIES REST ROOM	8	NO CHANGE	
	1TL2	MEN'S REST ROOM	9	NO CHANGE	
	1TL3	MEN'S REST ROOM	9	NO CHANGE	
	1UR1	MEN'S REST ROOM	9	NO CHANGE	
	1WF1	CORRIDOR	N/A	NO CHANGE	
	RD1	ROOF	N/A	SEPARATE	
	RD2	ROOF	N/A	SEPARATE	
RD3	ROOF	N/A	SEPARATE		
RD4	ROOF	N/A	SEPARATE		

TABLE 3: TA 33-20 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-20-OPN-1 DAYLIGHT	1FD1	WAREHOUSE		PLUG	no
	1FD2	WAREHOUSE		PLUG	

TABLE 4: TA 33-23 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-23-OPN-1	1SD1	WAREHOUSE	101	MODIFY	no
33-23-OPN-2	N/A	WATER HEATER		NO CHANGE	no

TABLE 5: TA 33-24 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-24-OPN-1 SEPTIC TANK LA-33	1TL1	CONTROL BUILDING		REMOVE	no
33-24-OPN-2	1FD1	CONTROL BUILDING		PLUG	no
	1SD1	CONTROL BUILDING		PLUG	
33-24-OPN-3 DRY WELL	1TD1	CONTROL BUILDING		PLUG	no

TABLE 6: TA 33-27 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-27-OPN-1 SEPTIC TANK LA-32	1LV1	GUARD STATION		PLUG	no
	1TL1	GUARD STATION		PLUG	
	1WF1	GUARD STATION		PLUG	

TABLE 7: TA 33-39 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-39-OPN-1 SEPTIC TANK LA-32	1LV1	REST ROOM	4	LABEL	no
	1SD1	REST ROOM	3	LABEL	
	1TL1	REST ROOM	4	LABEL	
	1UR1	REST ROOM	4	LABEL	
	1WF1	SHOP	1	LABEL	
33-39-OPN-2 SEPTIC TANK LA-32	1FD1	SHOP	1	MODIFY	no

TABLE 8: TA 33-40 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-40-OPN-1	1FD1	SAW BUILDING		PLUG	no

TABLE 9: TA 33-86 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-86-OPN-1 04A147	1FD1	TRITIUM LAB	9	PLUG	yes
	1FD2	CONTROL ROOM	10	PLUGGED	
	1FD3	CONTROL ROOM	10	PLUGGED	
	1FD4	LAB	11	PLUGGED	
	1SD1	CONTROL ROOM	10	PLUG	
	1SD2	LAB	11	PLUG	
	1SD3	LAB	11	PLUG	
	1SD4	LAB	11	PLUG	
33-86-OPN-2 SEPTIC TANK LA-35	1FD5	EQUIPMENT ROOM	6	MODIFY	no
	1FD6	EQUIPMENT ROOM	6	MODIFY	
	1FD7	MEN'S REST ROOM	5A	NO CHANGE	
	1LV1	LADIES REST ROOM	5	NO CHANGE	
	1LV2	MEN'S REST ROOM	5A	NO CHANGE	
	1SD6	JANITOR'S CLOSET	4	TEMP. PLUGGED	
	1SD7	LAB	3	TEMP. PLUGGED	
	1SD8	LAB	1	TEMP. PLUGGED	
	1SD9	LADIES REST ROOM	5	NO CHANGE	
	1SH1	MEN'S REST ROOM	5A	NO CHANGE	
	1TL1	LADIES REST ROOM	5	NO CHANGE	
	1TL2	MEN'S REST ROOM	5A	NO CHANGE	
	1WF1	LAB	1	NO CHANGE	
33-86-OPN-3	RD1	ROOF		NO CHANGE	no
33-86-OPN-4 DRY WELL	1FD10	LAB	12	PLUGGED	no
	1FD8	LAB	1	PLUGGED	
	1SD5	LAB	12	PLUG	
33-86-OPN-5	N/A	STORM DRAIN	6B	NO CHANGE	no
33-86-OPN-6	N/A	EXTERIOR GAS BOTTLE	6B	NO CHANGE	no
33-86-OPN-7	N/A	FRESH AIR INTAKE	6B	NO CHANGE	no
33-86-OPN-8	N/A	EQUIPMENT ROOM	6B	ELIMINATE	no
33-86-OPN-9	N/A	AIR VENT	6B	NO CHANGE	no

TABLE 10: TA 33-87 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-87-OPN-1 SEPTIC TANK LA-34	1LV1	CONTROL BUILDING	4	PLUG	no
	1TL1	CONTROL BUILDING	4	PLUG	
	1WF1	CONTROL BUILDING	2	PLUG	
33-87-OPN-2	1FD1	CONTROL BUILDING	1	PLUG	no
	1SD1	CONTROL BUILDING	3	PLUG	
33-87-OPN-3	N/A	CONTROL BUILDING	1	ELIMINATE	no

TABLE 11: TA 33-89 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-89-OPN-1	1AD1	X-UNIT VAULT		PLUG	no

TABLE 12: TA 33-90 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-90-OPN-1 SEPTIC TANK LA-35	1LV1	GUARD HOUSE/OFFICE		NO CHANGE	no
	1TL1	GUARD HOUSE/OFFICE		NO CHANGE	

TABLE 13: TA 33-113 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-113-OPN-1	RD1	ROOF	N/A	NO CHANGE	no
33-113-OPN-2 SEPTIC TANK LA-32	1SD1	JANITOR'S CLOSET		NO CHANGE	no
	1SD2	SHOP		NO CHANGE	
	1SH1	REST ROOM		NO CHANGE	
	1TL1	REST ROOM		NO CHANGE	
	1UR1	REST ROOM		NO CHANGE	
	1WF1	SHOP		NO CHANGE	
33-113-OPN-3	RD2	ROOF	N/A	NO CHANGE	no
33-113-OPN-4	RD3	ROOF	N/A	NO CHANGE	no
33-113-OPN-5	RD4	ROOF	N/A	NO CHANGE	no
33-113-OPN-6	N/A	AIR COMPRESSOR DRAIN		CONTAINERIZE	no

TABLE 14: TA 33-114 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-114-OPN-1 03A038	1CD01	LAB	117	REPIPE	yes
	1CD02	LAB	121	REPIPE	
	1CD03	LAB	121	REPIPE	
	1CD04	LAB	121	REPIPE	
	1CD05	LAB	116	REPIPE	
	1CD06	LAB	110	REPIPE	
	1CD07	LAB	105	REPIPE	
	1ED1	LAB	115	REPIPE	
	1EW1	LAB	121	REPIPE	
	1FD1	LAB	121	PIPE TO S.S.	
	1FD2	LAB	120	PIPE TO S.S.	

TABLE 14: TA 33-114 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-114-OPN-1 03A038 CONT	1FD3	EQUIPMENT ROOM	127	PLUG	yes
	1FD4	EQUIPMENT ROOM	127	PLUG	
	1FS1	OFFICE	119	PIPE TO S.S.	
	1SD01	LAB	118	REMOVED	
	1SD02	LAB	117	PIPE TO S.S.	
	1SD03	LAB	121	PIPE TO S.S.	
	1SD04	LAB	121	PIPE TO S.S.	
	1SD05	LAB	116	PIPE TO S.S.	
	1SD06	OFFICE	110	PIPE TO S.S.	
	1SD07	LAB	108	PIPE TO S.S.	
	1SD08	LAB	107	PIPE TO S.S.	
	1SD09	LAB	106	PIPE TO S.S.	
	1SD10	LAB	105	PIPE TO S.S.	
	1SD11	CONFERENCE ROOM	104	PIPE TO S.S.	
	BAD1	EQUIPMENT ROOM	B1	NO CHANGE	
	BFD1	EQUIPMENT ROOM	B1	MODIFY	
	BFD2	EQUIPMENT ROOM	B1	MODIFY	
	BSP1	EQUIPMENT ROOM	B1	MODIFY	
	RD1	ROOF	N/A	NO CHANGE	
	RD2	ROOF	N/A	NO CHANGE	
RD4	ROOF	N/A	NO CHANGE		
RD3	ROOF	N/A	NO CHANGE		
33-114-OPN-2 SEPTIC TANK LA-32	1LV1	MEN'S REST ROOM	123	NO CHANGE	no
	1LV2	MEN'S REST ROOM	123	NO CHANGE	
	1LV3	LADIES REST ROOM	124	NO CHANGE	
	1TL1	MENS REST ROOM	123	NO CHANGE	
	1TL2	MENS REST ROOM	123	NO CHANGE	
	1TL3	LADIES REST ROOM	124	NO CHANGE	
	1UR1	MENS REST ROOM	123	NO CHANGE	
	1UR2	MENS REST ROOM	123	NO CHANGE	
	1WF1	CORRIDOR	150	NO CHANGE	
33-114-OPN-3	1SD12	DARK ROOM	126	PLUG	no

TABLE 15: TA 33-129 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-129-OPN-1	1FD1	EQUIPMENT ROOM		MODIFY	no
33-129-OPN-2	N/A	AIR COMPRESSOR DRAIN		CONTAINERIZE	no

TABLE 16: TA 33-178 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
33-178-OPN-1 SEPTIC TANK SF08032R	1FD1	UTILITY ROOM		NO CHANGE	no
	1FS1	UTILITY ROOM		NO CHANGE	
	1LV1	REST ROOM		NO CHANGE	
	1SD1	KITCHEN		NO CHANGE	
	1SH1	REST ROOM		NO CHANGE	
	1TL1	REST ROOM		NO CHANGE	
	1WF1	KITCHEN		NO CHANGE	
33-178-OPN-2	RD1	ROOF	N/A	NO CHANGE	no
33-178-OPN-3	RD2	ROOF	N/A	NO CHANGE	no

TABLE 17: TA 39-2 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-2-OPN-1	1SD5	JANITOR'S CLOSET		MODIFY	no
39-2-OPN-2 SEPTIC TANK LA-44	1FD1	LADIES REST ROOM	19	NO CHANGE	no
	1FD2	MEN'S REST ROOM	23	NO CHANGE	
	1FD5	SHOP	36	PLUG	
	1FD6	SHOP	36	PLUG	
	1LV1	LADIES ROOM	19	NO CHANGE	
	1LV2	MEN'S ROOM	23	NO CHANGE	
	1LV3	MEN'S ROOM	23	NO CHANGE	
	1LV4	MEN'S ROOM	23	NO CHANGE	
	1SD1	LAB	2	REMOVED	
	1SD2	OFFICE	4	NO CHANGE	
	1SD3	OFFICE	4A	NO CHANGE	
	1SD4	LAB	8	MODIFY	
	1SD6	JANITOR'S CLOSET	21	NO CHANGE	
	1SD7	LUNCH ROOM	12	NO CHANGE	
	1SD8	LAB	30	MODIFY	
	1SH1	MEN'S REST ROOM	23	NO CHANGE	
	1TL1	LADIES REST ROOM	19	NO CHANGE	
1TL2	MEN'S REST ROOM	23	NO CHANGE		
1UR1	MEN'S REST ROOM	23	NO CHANGE		
1WF1	CORRIDOR	N/A	NO CHANGE		
39-2-OPN-3	1FD3	EQUIPMENT ROOM	25	NO CHANGE	no
	1FD4	EQUIPMENT ROOM	25	NO CHANGE	
	1SP1	EQUIPMENT ROOM	25	MODIFY	
	RD1	ROOF	N/A	SEPARATE	
	RD2	ROOF	N/A	SEPARATE	
	RD3	ROOF	N/A	SEPARATE	
	RD4	ROOF	N/A	SEPARATE	

TABLE 17: TA 39-2 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-2-OPN-4	1ED1	OFFICE	37A	NO CHANGE	no
	1SD9	DARK ROOM	11	NO CHANGE	no

TABLE 18: TA 39-6 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-6-OPN-1	1FD1	CABLE TRENCH		PLUG	no
39-6-OPN-2	N/A	AIR COMPRESSOR DRAIN		CONTAINERIZE	no

TABLE 19: TA 39-7 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-7-OPN-1	1FD1	CABLE TRENCH		PLUG	no
39-7-OPN-2	N/A	AIR COMPRESSOR DRAIN		CONTAINERIZE	no

TABLE 20: TA 39-8 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-8-OPN-1	1FD1	CONTROL ROOM		PLUG	no

TABLE 21: TA 39-57 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-57-OPN-1	1FD1	CABLE TRENCH		PLUG	no
39-57-OPN-2	N/A	AIR COMPRESSOR		CONTAINERIZE	no

TABLE 22: TA 39-62 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-62-OPN-1	N/A	BACK FLOW PREVENTER		NOI	no
39-62-OPN-2 SEPTIC TANK LA-44	1SD1	STORAGE		NO CHANGE	no
39-62-OPN-3	N/A	WATER HEATER		NOI	no

TABLE 23: TA 39-69 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-69-OPN-1 04A141	N/A	COOLING WATER		RECIRCULATE	yes
39-69-OPN-2	N/A	BACK FLOW PREVENTER		NOI	no
39-69-OPN-3	N/A	AIR DRIER		NOI	no
39-69-OPN-4	N/A	AIR COMPRESSOR DRAIN		CONTAINERIZE	no
39-69-OPN-5 04A141	N/A	COOLING WATER		RECIRCULATE	yes

TABLE 24: TA 39-89 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-89-OPN-1	N/A	ROOF	N/A	NO CHANGE	no
39-89-OPN-2	N/A	ROOF	N/A	NO CHANGE	no
39-89-OPN-3 UNKNOWN	1SD1	LAB		VERIFY	no
	1SD2	LAB		VERIFY	
	1SD3	LAB		VERIFY	
39-89-OPN-4 04A156	N/A	LAB		RECIRCULATE	yes
39-89-OPN-5	N/A	ROOF		NO CHANGE	no
39-89-OPN-6	N/A	GAS VENT		NO CHANGE	no
39-89-OPN-7	N/A	ROOF		N/A	no
39-89-OPN-8	N/A	ROOF		N/A	no
39-89-OPN-9	N/A	ROOF		N/A	no

TABLE 25: TA 39-98 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-98-OPN-1	N/A	ROOF	N/A	NO CHANGE	no
39-98-OPN-2	N/A	ROOF	N/A	NO CHANGE	no
39-98-OPN-3	N/A	ROOF	N/A	NO CHANGE	no
39-98-OPN-4 SEPTIC TANK LA-44	1FD1	SHOP		PLUGGED	no
	1FD2	SHOP		PLUGGED	
	1FD3	SHOP		PLUGGED	
	1FD4	SHOP		PLUGGED	
	1FD5	SHOP		PLUGGED	
	1FD6	SHOP		PLUGGED	
	1FD7	LADIES REST ROOM		NO CHANGE	
	1FD8	MEN'S REST ROOM		NO CHANGE	
	1LV1	LADIES REST ROOM		NO CHANGE	
	1LV2	MEN'S REST ROOM		NO CHANGE	
	1LV3	MEN'S REST ROOM		NO CHANGE	
	1SD1	SHOP		NO CHANGE	
	1SH1	LADIES REST ROOM		NO CHANGE	
	1SH2	MEN'S REST ROOM		NO CHANGE	
	1SH3	MEN'S REST ROOM		NO CHANGE	
	1SH4	MEN'S REST ROOM		NO CHANGE	
	1TL1	LADIES REST ROOM		NO CHANGE	
	1TL2	MEN'S REST ROOM		NO CHANGE	
1TL3	MEN'S REST ROOM		NO CHANGE		
1UR1	MEN'S REST ROOM		NO CHANGE		
1WF1	SHOP		NO CHANGE		
1WF2	SHOP		NO CHANGE		
39-98-OPN-5	N/A	FIRE WATER DRAIN		NOI	no
39-98-OPN-6	N/A	ROOF	N/A	NO CHANGE	no
39-98-OPN-7	N/A	ROOF	N/A	NO CHANGE	no

TABLE 26: TA 39-100 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-100-OPN-1 SEPTIC TANK LA-44	1LV1	REST ROOM		NO CHANGE	no
	1LV2	REST ROOM		NO CHANGE	
	1SD1	REST ROOM		NO CHANGE	
	1TL1	REST ROOM		NO CHANGE	
	1TL2	REST ROOM		NO CHANGE	
	1WF1	REST ROOM		NO CHANGE	
39-100-OPN-2	N/A	HOT WATER HEATER		NOI	no

TABLE 27: TA 39-103 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-103-OPN-1 SEPTIC TANK LA-44	1SD1	CONFERENCE ROOM		NO CHANGE	no
	1WF1	CONFERENCE ROOM		NO CHANGE	
39-103-OPN-2	N/A	HOT WATER HEATER		NOI	no

TABLE 28: TA 39-107 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-107-OPN-1 SEPTIC TANK LA-44	1LV1	LADIES REST ROOM		NO CHANGE	no
	1LV2	MEN'S REST ROOM		NO CHANGE	
	1SD1	JANITOR'S CLOSET		NO CHANGE	
	1SD2	KITCHEN		NO CHANGE	
	1SH1	LADIES REST ROOM		NO CHANGE	
	1SH2	MEN'S REST ROOM		NO CHANGE	
	1TL1	LADIES REST ROOM		NO CHANGE	
	1TL2	MEN'S REST ROOM		NO CHANGE	
	1WF1	CORRIDOR		NO CHANGE	

TABLE 29: TA 39-111 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
39-111-OPN-1	N/A	ROOF	N/A	NO CHANGE	no
39-111-OPN-2	N/A	ROOF	N/A	NO CHANGE	no
39-111-OPN-3	N/A	ROOF	N/A	NO CHANGE	no
39-111-OPN-4 SEPTIC TANK SF890024	1FD1	EQUIPMENT ROOM		NO CHANGE	no
	1SD1	SHOP		NO CHANGE	
	1SD2	REST ROOM		NO CHANGE	
	1TL1	26ST ROOM		NO CHANGE	
39-111-OPN-5	N/A	ROOF	N/A	NO CHANGE	no
39-111-OPN-6	N/A	HOT WATER HEATER		NOI	no
39-111-OPN-7	N/A	ROOF	N/A	NO CHANGE	no
39-111-OPN-8	N/A	ROOF	N/A	NO CHANGE	no

TABLE 30: TA 49-113 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
49-113-OPN-1 SEPTIC TANK LA-49	1FD1	EQUIPMENT ROOM		NO CHANGE	no
	1LV1	REST ROOM		NO CHANGE	
	1SD1	KITCHEN		NO CHANGE	
	1TL1	REST ROOM		NO CHANGE	
49-113-OPN-2	1HW1	HOT WATER HEATER		NOI	no

TABLE 31: TA 49-114 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
49-114-OPN-1 HOLDING SUMP	1ESH1	EXPLOSIVES MAGAZINE		PLUG	no
	1FD1	EXPLOSIVES MAGAZINE		PLUG	
	1SD1	EXPLOSIVES MAGAZINE		PLUG	

TABLE 32: TA 49-115 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
49-115-OPN-1 SEPTIC TANK LA-50	1FD1	KITCHEN		NO CHANGE	no
	1FD2	KITCHEN		NO CHANGE	
	1LV1	LADIES REST ROOM		NO CHANGE	
	1LV2	MEN'S REST ROOM		NO CHANGE	
	1SD1	KITCHEN		NO CHANGE	
	1SD2	KITCHEN		NO CHANGE	
	1SH1	LADIES REST ROOM		NO CHANGE	
	1SH2	MEN'S REST ROOM		NO CHANGE	
	1SH3	MEN'S REST ROOM		NO CHANGE	
	1TL1	LADIES REST ROOM		NO CHANGE	
	1TL2	MEN'S REST ROOM		NO CHANGE	
1UR1	MEN'S REST ROOM		NO CHANGE		
49-115-OPN-2	1WH1	HOT WATER HEATER		NOI	no
49-115-OPN-3	RD1	ROOF	N/A	NO CHANGE	no
49-115-OPN-4	RD2	ROOF	N/A	NO CHANGE	no
49-115-OPN-5	RD3	ROOF	N/A	NO CHANGE	no
49-115-OPN-6	RD4	ROOF	N/A	NO CHANGE	no

**TABLE 33: TA 69-1 DRAIN SUMMARY**

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
69-1-OPN-1 SEPTIC TANK SF890025	1LV1	REST ROOM		NO CHANGE	no
	1TL1	REST ROOM		NO CHANGE	
	1WF1	REST ROOM		NO CHANGE	
	1FD1	BACK FLOW PREVENTER BLDG		NO CHANGE	
	1FD2	BACK FLOW PREVENTER BLDG		NO CHANGE	
	1LV1	LADIES REST ROOM		NO CHANGE	
	1LV2	MEN'S REST ROOM		NO CHANGE	
	1SD1	KITCHEN		NO CHANGE	
	1SD2	JANITOR'S CLOSET		NO CHANGE	
	1TL1	LADIES REST ROOM		NO CHANGE	
	1TL2	MEN'S REST ROOM		NO CHANGE	
	1UR1	MEN'S REST ROOM		NO CHANGE	
	1WF1	HALLWAY		NO CHANGE	

**TABLE 34: TA 69-2 DRAIN SUMMARY**

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
69-2-OPN-1 SEPTIC TANK SF890025	1LV1	REST ROOM		NO CHANGE	no
	1LV2	REST ROOM		NO CHANGE	
	1SD1	KITCHEN		NO CHANGE	
	1SD2	JANITOR'S CLOSET		NO CHANGE	
	1TL1	REST ROOM		NO CHANGE	
	1TL2	REST ROOM		NO CHANGE	
	1WF1	WATER FOUNTAIN		NO CHANGE	
	1UR1	REST ROOM		NO CHANGE	

**TABLE 35: TA 69-8 DRAIN SUMMARY**

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
69-8-OPN-1 DAYLIGHT	1FD1	BACK FLOW PREVENTER		PLUG	no
	1FD2	BACK FLOW PREVENTER		PLUG	

## TABLE 36: NON DRAIN RECOMMENDATIONS

TECHNICAL AREA	BUILDING NUMBER	ROOM OR LOCATION	RECOMMENDATION
33	1	SEPTIC TANK LA-36	ELIMINATE SEPTIC TANK
33	19	SEPTIC TANK	VERIFY LOCATION AND DRAINS
33	NEAR 33-23	SEPTIC HOLDING TANK	DECOMM/REMOVE SEPTIC HOLDING TANK LA-124/33-206
33	24	SEPTIC TANK	ELIMINATE SEPTIC TANK AND CAP DISCHARGE PIPE
33	24	OUTFALL 33-24-OPN-2	MODIFY OUTFALL
33	39	SEPTIC TANK	VERIFY LOCATION AND DRAINS
33	86	SEEPAGE PIT SE OF SEPTIC TANK 33-93	VERIFY LOCATION, CONTENTS, AND CONDITION OF SEEPAGE PIT
33	86	PERMIT	DELETE PERMIT #04A147
33	89	SEPTIC SYSTEM OUTFALL 39-89-OPN-3	VERIFY SEPTIC TANK LOCATION
33	114	SEPTIC HOLDING TANK	DELETE PERMIT #03A038

**TABLE 37**  
**SUMMARY OF ABBREVIATIONS**

ABBREVIATION	MEANING
A/C	AIR CONDITIONING
AD	AREA DRAIN
BFP	BACK FLOW PREVENTER
EC	EVAPORATIVE COOLER
FD	FLOOR DRAIN
FS	FLOOR SINK
IM	ICE MAKER
LV	LAVATORY
MH	MANHOLE
PRV	PRESSURE RELIEF VALVE
RLW	RADIOACTIVE LIQUID WASTE
RD	ROOF DRAIN
SD	SINK DRAIN
SH	SHOWER
SP	SUMP PUMP
SS	SANITARY SEWER
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN
WH	WATER HEATER

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	FLOW	RATE	PERIODICITY		SOURCE TYPES
											SEASONAL	
33	1	33-1-OPN-1	ST LA-36	1LV1		LABORATORY				NO FLOW	no	NO SOURCE OF WATER
33	1	33-1-OPN-1	ST LA-36	1SD1		LABORATORY				NO FLOW	no	NO SOURCE OF WATER
33	1	33-1-OPN-1	ST LA-36	1TL1		LABORATORY				NO FLOW	no	NO SOURCE OF WATER
33	2	33-2	N/A	N/A		WAREHOUSE				NO FLOW	no	NO DRAINS
33	16	33-16	N/A	N/A		GUN BUILDING				NO FLOW	no	NO DRAINS
33	19	33-19-OPN-1	ST LA-32	1ED1	4	LAB				5 DAYS PER WEEK	no	EQUIPMENT
33	19	33-19-OPN-1	ST LA-32	1FD1		CORRIDOR				FLOW IS NIL	no	FLOOR WASHING
33	19	33-19-OPN-1	ST LA-32	1FD2	2	LAB				5 DAYS PER WEEK	no	COVERED
33	19	33-19-OPN-1	ST LA-32	1FD3	8	LADIES REST ROOM				FLOW IS NIL	no	FLOOR WASHING
33	19	33-19-OPN-1	ST LA-32	1FD4	9	MEN'S REST ROOM				FLOW IS NIL	no	FLOOR WASHING
33	19	33-19-OPN-1	ST LA-32	1FD5	10	EQUIPMENT ROOM				FLOW IS NIL	no	AIR COMPRESSOR
33	19	33-19-OPN-1	ST LA-32	1FD5	10	EQUIPMENT ROOM				FLOW IS NIL	no	BACKFLOW PREVENTOR
33	19	33-19-OPN-1	ST LA-32	1FD5	10	EQUIPMENT ROOM				FLOW IS NIL	no	WATER HEATER
33	19	33-19-OPN-1	ST LA-32	1FD5	10	EQUIPMENT ROOM				FLOW IS NIL	no	BOILERS (3)
33	19	33-19-OPN-1	ST LA-32	1FD5	10	EQUIPMENT ROOM				FLOW IS NIL	no	EXPANSION TANK
33	19	33-19-OPN-1	ST LA-32	1LV1	8	LADIES REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	19	33-19-OPN-1	ST LA-32	1LV2	9	MEN'S REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	19	33-19-OPN-1	ST LA-32	1LV3	9	MEN'S REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	19	33-19-OPN-1	ST LA-32	1SD1	4	LAB/OFFICE				5 DAYS PER WEEK	no	CLEAN-UP
33	19	33-19-OPN-1	ST LA-32	1SD2		JANITOR'S CLOSET				5 DAYS PER WEEK	no	JANITORIAL
33	19	33-19-OPN-1	ST LA-32	1SD3	3	LAB/OFFICE				NO FLOW	no	REMOVED
33	19	33-19-OPN-1	ST LA-32	1SD4		CORRIDOR				NO FLOW	no	REMOVED
33	19	33-19-OPN-1	ST LA-32	1SD5		LAB/OFFICE				5 DAYS A WEEK	no	CLEAN UP
33	19	33-19-OPN-1	ST LA-32	1SH1	7	LOCKER ROOM				5 DAYS PER WEEK	no	SHOWER
33	19	33-19-OPN-1	ST LA-32	1SH2	7	LOCKER ROOM				5 DAYS PER WEEK	no	SHOWER
33	19	33-19-OPN-1	ST LA-32	1SH3	8	LADIES REST ROOM				5 DAYS PER WEEK	no	SHOWER
33	19	33-19-OPN-1	ST LA-32	1TL1	8	LADIES REST ROOM				5 DAYS PER WEEK	no	TOILET
33	19	33-19-OPN-1	ST LA-32	1TL2	9	MEN'S REST ROOM				5 DAYS PER WEEK	no	TOILET
33	19	33-19-OPN-1	ST LA-32	1TL3	9	MEN'S REST ROOM				5 DAYS PER WEEK	no	TOILET
33	19	33-19-OPN-1	ST LA-32	1UR1	9	MEN'S REST ROOM				5 DAYS PER WEEK	no	URINAL
33	19	33-19-OPN-1	ST LA-32	1WF1		CORRIDOR				5 DAYS PER WEEK	no	WATER FOUNTAIN
33	19	33-19-OPN-1	ST LA-32	RD1		ROOF				MOSTLY SUMMER	yes	RAIN
33	19	33-19-OPN-1	ST LA-32	RD2		ROOF				MOSTLY SUMMER	yes	RAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
33	19	33-19-OPN-1	ST LA-32	RD3		ROOF				MOSTLY SUMMER	yes	RAIN
33	19	33-19-OPN-1	ST LA-32	RD4		ROOF				MOSTLY SUMMER	yes	RAIN
33	20	33-20-OPN-1	DAYLIGHT	1FD1		WAREHOUSE				FLOW IS NIL	no	FLOOR WASHING
33	20	33-20-OPN-1	DAYLIGHT	1FD2		WAREHOUSE				FLOW IS NIL	no	FLOOR WASHING
33	22	33-22	N/A	N/A		MAGAZINE				NO FLOW	no	NO DRAINS
33	23	33-23-OPN-1	DAYLIGHT	1SD1	101	WAREHOUSE				FLOW IS NIL	no	HAND WASHING
33	23	33-23-OPN-2	N/A	N/A		WAREHOUSE				FLOW IS NIL	no	WATER HEATER PRV
33	24	33-24-OPN-1	ST LA-33	1TL1		CONTROL BUILDING				NO FLOW	no	NO SOURCE OF WATER
33	24	33-24-OPN-2	DAYLIGHT	1FD1		CONTROL BUILDING				NO FLOW	no	NO SOURCE OF WATER
33	24	33-24-OPN-2	DAYLIGHT	1SD1		CONTROL BUILDING				NO FLOW	no	NO SOURCE OF WATER
33	24	33-24-OPN-3	DRYWELL	1TD1		CONTROL BUILDING				NO FLOW	no	NO SOURCE OF WATER
33	25	33-25	N/A	N/A		GUN BUILDING				NO FLOW	no	NO DRAINS
33	26	33-26	N/A	N/A		X-UNIT CHAMBER				NO FLOW	no	NO DRAINS
33	27	33-27-OPN-1	ST LA-32	1LV1		GUARD STATION				NO FLOW	no	NO SOURCE OF WATER
33	27	33-27-OPN-1	ST LA-32	1TL1		GUARD STATION				NO FLOW	no	NO SOURCE OF WATER
33	27	33-27-OPN-1	ST LA-32	1WF1		GUARD STATION				NO FLOW	no	NO SOURCE OF WATER
33	28	33-28	N/A	N/A		WATER TANK				NO FLOW	no	NO DRAINS
33	29	33-29	N/A	N/A		UG CHAMBER #3				NO FLOW	no	NO DRAINS
33	36	33-36	N/A	N/A		MAGAZINE				NO FLOW	no	NO DRAINS
33	37	33-37	N/A	N/A		MAGAZINE				NO FLOW	no	NO DRAINS
33	39	33-39-OPN-1	ST LA-32	1LV1	4	REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	39	33-39-OPN-1	ST LA-32	1SD1	3	REST ROOM				5 DAYS PER WEEK	no	SANITARY SOURCES
33	39	33-39-OPN-1	ST LA-32	1TL1	4	REST ROOM				5 DAYS PER WEEK	no	TOILET
33	39	33-39-OPN-1	ST LA-32	1UR1	4	REST ROOM				5 DAYS PER WEEK	no	URINAL
33	39	33-39-OPN-1	ST LA-32	1WF1	4	SHOP				5 DAYS PER WEEK	no	WATER FOUNTAIN
33	39	33-39-OPN-2	ST LA-32	1FD1	1	SHOP				5 DAYS PER WEEK	no	AIR COMPRESSOR
33	39	33-39-OPN-2	ST LA-32	1FD1	1	SHOP				5 DAYS PER WEEK	no	PLUGGED
33	40	33-40-OPN-1	ST LA-32	1FD1		SAW BUILDING				NO FLOW	no	NO SOURCE OF WATER
33	70	33-70	N/A	N/A		UG CHAMBER #4				NO FLOW	no	NO DRAINS
33	71	33-71	N/A	N/A		UG CHAMBER #5				NO FLOW	no	NO DRAINS
33	86	33-86-OPN-1	04A147	1FD1	9	TRITIUM LAB		4.6	GPM	INFREQUENT	no	NON-CONTACT COOLING WATER
33	86	33-86-OPN-1	04A147	1FD2	10	CONTROL ROOM				NO FLOW	no	PLUGGED
33	86	33-86-OPN-1	04A147	1FD3	10	CONTROL ROOM				NO FLOW	no	PLUGGED

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
33	86	33-86-OPN-1	04A147	1FD4	11	LAB			NO FLOW		no	PLUGGED
33	86	33-86-OPN-1	04A147	1SD1	10	CONTROL ROOM			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-1	04A147	1SD2	11	LAB			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-1	04A147	1SD3	11	LAB			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-1	04A147	1SD4	11	LAB			NO FLOW		no	TEMP. PLUGGED
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	CONDENSATE DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	WATER SYSTEM PRV
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	AIR COMPRESSOR CONDENSATE DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	AIR COMPRESSOR DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	PUMP WATER DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	EXPANSION TANK DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	COMP. AIR TANK DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD5	6	EQUIPMENT ROOM			FLOW IS NIL		no	HEATING SYSTEM DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD6	6	EQUIPMENT ROOM			FLOW IS NIL		no	AIR WASHER DRAIN
33	86	33-86-OPN-2	ST LA-35	1FD6	6	EQUIPMENT ROOM			FLOW IS NIL		no	BFP DRAIN (2)
33	86	33-86-OPN-2	ST LA-35	1FD6	6	EQUIPMENT ROOM			FLOW IS NIL		no	AIR WASHER BLOWDOWN
33	86	33-86-OPN-2	ST LA-35	1FD6	6	EQUIPMENT ROOM			FLOW IS NIL		no	WATER HEATER PRV
33	86	33-86-OPN-2	ST LA-35	1FD7	5A	MEN'S REST ROOM			FLOW IS NIL		no	FLOOR WASHINGS
33	86	33-86-OPN-2	ST LA-35	1LV1	5	LADIES REST ROOM			FLOW IS NIL		no	LAVATORY
33	86	33-86-OPN-2	ST LA-35	1LV2	5A	MEN'S REST ROOM			FLOW IS NIL		no	LAVATORY
33	86	33-86-OPN-2	ST LA-35	1SD6	4	JANITOR'S CLOSET			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-2	ST LA-35	1SD7	3	LAB			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-2	ST LA-35	1SD8	1	LAB			FLOW IS NIL		no	TEMP. PLUGGED
33	86	33-86-OPN-2	ST LA-35	1SD9	5	LADIES REST ROOM			FLOW IS NIL		no	CLEAN UP
33	86	33-86-OPN-2	ST LA-35	1SH1	5	LADIES REST ROOM			FLOW IS NIL		no	SHOWER
33	86	33-86-OPN-2	ST LA-35	1TL1	5	LADIES REST ROOM			FLOW IS NIL		no	TOILET
33	86	33-86-OPN-2	ST LA-35	1TL2	5A	MEN'S REST ROOM			FLOW IS NIL		no	TOILET
33	86	33-86-OPN-2	ST LA-35	1WF1	1	LAB			5 DAYS PER WEEK		no	COVERED WATER FOUNTAIN
33	86	33-86-OPN-3	N/A	RD1		ROOF			MOSTLY SUMMER		yes	ROOF DRAIN
33	86	33-86-OPN-4	DRYWELL	1FD08	1	LAB			NO FLOW		no	PLUGGED
33	86	33-86-OPN-4	DRYWELL	1FD10	12	LAB			NO FLOW		no	PLUGGED
33	86	33-86-OPN-4	DRYWELL	1SD5	12	LAB			NO FLOW		no	NO SOURCE OF WATER
33	86	33-86-OPN-5	N/A	N/A	6B	STORM DRAIN			MOSTLY SUMMER		yes	RAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY SEASONAL	SOURCE TYPES
33	86	33-86-OPN-6	N/A	N/A	6B	N/A			FLOW IS NIL	no	GAS BOTTLE CONNECTION
33	86	33-86-OPN-7	N/A	N/A	6B	N/A			NO FLOW	no	FRESH AIR INTAKE
33	86	33-86-OPN-8	N/A	N/A	6B	EQUIPMENT ROOM			NO FLOW	no	PIPE STUB
33	86	33-86-OPN-9	N/A	N/A	6B	N/A			NO FLOW	no	PNEUMATIC AIR VENT
33	87	33-87-OPN-1	ST LA-34	1LV1		CONTROL BUILDING			NO FLOW	no	NO SOURCE OF WATER
33	87	33-87-OPN-1	ST LA-34	1TL1		CONTROL BUILDING			NO FLOW	no	NO SOURCE OF WATER
33	87	33-87-OPN-1	ST LA-34	1WF1		CONTROL BUILDING			NO FLOW	no	NO SOURCE OF WATER
33	87	33-87-OPN-2	DAYLIGHT	1FD1		CONTROL BUILDING			NO FLOW	no	NO SOURCE OF WATER
33	87	33-87-OPN-2	DAYLIGHT	1TSD		CONTROL BUILDING			NO FLOW	no	NO SOURCE OF WATER
33	87	33-87-OPN-3	DAYLIGHT	N/A		CONTROL BUILDING			NO FLOW	no	WATER HEATER PRV
33	88	33-88	N/A	N/A		CABLE BUILDING			NO FLOW	no	NO DRAINS
33	89	33-89-OPN-1	DAYLIGHT	1AD1		X-UNIT VAULT			NO FLOW	no	NO SOURCE OF WATER
33	90	33-90-OPN-1	ST LA-35	1LV1		GUARD HOUSE/OFFICE			5 DAYS PER WEEK	no	LAVATORY
33	90	33-90-OPN-1	ST LA-35	1TL1		GUARD HOUSE/OFFICE			5 DAYS PER WEEK	no	TOILET
33	91	33-91	N/A	N/A		HOSE HOUSE			NO FLOW	no	NO DRAINS
33	95	33-95	N/A	N/A		TRANSFORMER VAULT			NO FLOW	no	NO DRAINS
33	113	33-113-OPN-1	N/A	RD1		ROOF			MOSTLY SUMMER	yes	RAIN
33	113	33-113-OPN-2	ST LA-32	1SD1		JANITOR'S CLOSET			5 DAYS PER WEEK	no	SANITARY SOURCES
33	113	33-113-OPN-2	ST LA-32	1SD2		SHOP			5 DAYS PER WEEK	no	SANITARY SOURCES
33	113	33-113-OPN-2	ST LA-32	1SH1		REST ROOM			5 DAYS PER WEEK	no	SHOWER
33	113	33-113-OPN-2	ST LA-32	1TL1		REST ROOM			5 DAYS PER WEEK	no	TOILET
33	113	33-113-OPN-2	ST LA-32	1UR1		REST ROOM			5 DAYS PER WEEK	no	URINAL
33	113	33-113-OPN-2	ST LA-32	1WF1		SHOP			5 DAYS PER WEEK	no	WATER FOUNTAIN
33	113	33-113-OPN-3	N/A	RD2		ROOF			MOSTLY SUMMER	yes	RAIN
33	113	33-113-OPN-4	N/A	RD3		ROOF			MOSTLY SUMMER	yes	RAIN
33	113	33-113-OPN-5	N/A	RD4		ROOF			MOSTLY SUMMER	yes	RAIN
33	113	33-113-OPN-6	N/A	N/A		AIR COMPRESSOR DRAIN			FLOW IS NIL	no	AIR COMPRESSOR
33	114	33-114-OPN-1	03A038	1CD01	117	LAB			5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1CD021	121	LAB			5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1CD031	121	LAB			5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1CD041	121	LAB			5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1CD051	116	LAB			5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1CD061	110	LAB			5 DAYS PER WEEK	no	NONE

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
33	114	33-114-OPN-1	03A038	1CD071	105	LAB				5 DAYS PER WEEK	no	NONE
33	114	33-114-OPN-1	03A038	1ED1	115	CORRIDOR				7 DAYS PER WEEK	no	ICE MACHINE COND.
33	114	33-114-OPN-1	03A038	1EW1	121	LAB				EMERGENCY FLOW	no	EYE WASH DRAIN
33	114	33-114-OPN-1	03A038	1FD1	121	LAB				FLOW IS NIL	no	FLOOR WASHING
33	114	33-114-OPN-1	03A038	1FD2	120	LAB				FLOW IS NIL	no	FLOOR WASHING
33	114	33-114-OPN-1	03A038	1FD3	127	EQUIPMENT ROOM				FLOW IS NIL	no	NONE
33	114	33-114-OPN-1	03A038	1FD4	127	EQUIPMENT ROOM				FLOW IS NIL	no	NONE
33	114	33-114-OPN-1	03A038	1FS1	119	OFFICE				NO FLOW	no	NONE
33	114	33-114-OPN-1	03A038	1SD01	118	LAB/OFFICE				NO FLOW	no	REMOVED
33	114	33-114-OPN-1	03A038	1SD02	117	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD03	121	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD04	121	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD05	116	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD06	110	OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD07	108	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD08	107	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD09	106	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD10	105	LAB/OFFICE				5 DAYS PER WEEK	no	MISC. WASHING
33	114	33-114-OPN-1	03A038	1SD11	104	CONFERENCE ROOM				5 DAYS PER WEEK	no	CLEAN-UP
33	114	33-114-OPN-1	03A038	BAD1	B1	EQUIPMENT ROOM				MOSTLY SUMMER	yes	STORM WATER
33	114	33-114-OPN-1	03A038	BFD1	B1	EQUIPMENT ROOM				FLOW IS NIL	no	AIR WASHER DRAIN
33	114	33-114-OPN-1	03A038	BFD1	B1	EQUIPMENT ROOM				FLOW IS NIL	no	POTABLE WATER DRAIN
33	114	33-114-OPN-1	03A038	BFD1	B1	EQUIPMENT ROOM		8	GPD	7 DAYS PER WEEK	no	AIR WASHER BLOWDOWN
33	114	33-114-OPN-1	03A038	BFD1	B1	EQUIPMENT ROOM				FLOW IS NIL	no	CIRC. PUMP DRAIN
33	114	33-114-OPN-1	03A038	BFD2	B1	EQUIPMENT ROOM				FLOW IS NIL	no	AIR HANDLER COND. DRAIN
33	114	33-114-OPN-1	03A038	BFD2	B1	EQUIPMENT ROOM				FLOW IS NIL	no	UNKNOWN PIPE
33	114	33-114-OPN-1	03A038	BFD2	B1	EQUIPMENT ROOM				FLOW IS NIL	no	AIR COMPRESSOR DRAINS (2)
33	114	33-114-OPN-1	03A038	BFD2	B1	EQUIPMENT ROOM				FLOW IS NIL	no	HEAT EXCH. DRAIN
33	114	33-114-OPN-1	03A038	BSP1	B1	EQUIPMENT ROOM				7 DAYS PER WEEK	no	SUMP PUMP
33	114	33-114-OPN-1	03A038	RD1		ROOF				MOSTLY SUMMER	yes	RAIN
33	114	33-114-OPN-1	03A038	RD2		ROOF				MOSTLY SUMMER	yes	RAIN
33	114	33-114-OPN-1	03A038	RD3		ROOF				MOSTLY SUMMER	yes	RAIN
33	114	33-114-OPN-1	03A038	RD4		ROOF				MOSTLY SUMMER	yes	RAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
33	114	33-114-OPN-2	ST LA-32	1LV1	123	MEN'S REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	114	33-114-OPN-2	ST LA-32	1LV2	123	MEN'S REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	114	33-114-OPN-2	ST LA-32	1LV3	124	LADIES REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	114	33-114-OPN-2	ST LA-32	1TL1	123	MENS REST ROOM				5 DAYS PER WEEK	no	TOILET
33	114	33-114-OPN-2	ST LA-32	1TL2	123	MENS REST ROOM				5 DAYS PER WEEK	no	TOILET
33	114	33-114-OPN-2	ST LA-32	1TL3	124	LADIES REST ROOM				5 DAYS PER WEEK	no	TOILET
33	114	33-114-OPN-2	ST LA-32	1UR1	123	MENS REST ROOM				5 DAYS PER WEEK	no	URINAL
33	114	33-114-OPN-2	ST LA-32	1UR2	123	MENS REST ROOM				5 DAYS PER WEEK	no	URINAL
33	114	33-114-OPN-2	ST LA-32	1WF1	150	CORRIDOR				5 DAYS PER WEEK	no	WATER FOUNTAIN
33	114	33-114-OPN-3	DAYLIGHT	1SD12	126	DARK ROOM				5 DAYS PER WEEK	no	PHOTO PROCESSING
33	129	33-129-OPN-1	N/A	1FD1		EQUIPMENT ROOM				NO FLOW	no	NO WATER SOURCE
33	129	33-129-OPN-2	DAYLIGHT	N/A		AIR COMPRESSOR DRAIN				FLOW IS NIL	no	AIR COMPRESSOR
33	151	33-151	N/A	N/A		BUNKER				NO FLOW	no	NO DRAINS
33	163	33-163	N/A	N/A		OFFICE TRAILER				NO FLOW	no	NO DRAINS
33	164	33-164	N/A	N/A		OFFICE TRAILER				NO FLOW	no	NO DRAINS
33	165	33-165	N/A	N/A		OFFICE TRAILER				NO FLOW	no	NO DRAINS
33	167	33-167	N/A	N/A		LAB TRAILER				NO FLOW	no	NO DRAINS
33	168	33-168	N/A	N/A		TRANSPORTABLE OFFICE				NO FLOW	no	NO DRAINS
33	173	33-173	N/A	N/A		OFFICE TRAILER				NO FLOW	no	NO DRAINS
33	175	33-175	N/A	N/A		VLBA ANTENNA				NO FLOW	no	NO DRAINS
33	177	33-177	N/A	N/A		LAB TRAILER				NO FLOW	no	NO DRAINS
33	178	33-178-OPN-1	ST SF89032R	1FD1		UTILITY ROOM				7 DAYS PER WEEK	no	FLOOR WASHING
33	178	33-178-OPN-1	ST SF89032R	1FS1		UTILITY ROOM				7 DAYS PER WEEK	no	FLOOR WASHING
33	178	33-178-OPN-1	ST SF89032R	1LV1		REST ROOM				5 DAYS PER WEEK	no	LAVATORY
33	178	33-178-OPN-1	ST SF89032R	1SD1		KITCHEN				5 DAYS PER WEEK	no	CLEAN-UP
33	178	33-178-OPN-1	ST SF89032R	1SH1		REST ROOM				5 DAYS PER WEEK	no	SHOWER
33	178	33-178-OPN-1	ST SF89032R	1TL1		REST ROOM				5 DAYS PER WEEK	no	TOILET
33	178	33-178-OPN-1	ST SF89032R	1WF1		KITCHEN				5 DAYS PER WEEK	no	WATER FOUNTAIN
33	178	33-178-OPN-2	N/A	RD1		ROOF				MOSTLY SUMMER	yes	RAIN
33	178	33-178-OPN-3	N/A	RD2		ROOF				MOSTLY SUMMER	yes	RAIN
33	192	33-192	N/A	N/A		TRANSMITTER ANTENNA BUILDING				NO FLOW	no	NO DRAINS
33	196	33-196	N/A	N/A		LAB TRAILER				NO FLOW	no	NO DRAINS
33	199	33-199	N/A	N/A		TRANSPORTAINER				NO FLOW	no	NO DRAINS

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
33	200	33-200	N/A	N/A		PUMP HOUSE			NO FLOW		no	NO DRAINS
33	201	33-201	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
33	202	33-202	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
33	203	33-203	N/A	N/A		ANTENNA			NO FLOW		no	NO DRAINS
33	204	33-204	N/A	N/A		GUARD HOUSE			NO FLOW		no	NO DRAINS
33	205	33-205	N/A	N/A		TRAILER			NO FLOW		no	NO DRAINS
33	207	33-207	N/A	N/A		SEMI-TRAILER			NO FLOW		no	NO DRAINS
33	208	33-208	N/A	N/A		CONCRETE BLOCK BUILDING			NO FLOW		no	NO DRAINS
33	209	33-209	N/A	N/A		TRAILER			NO FLOW		no	NO DRAINS
33	210	33-210	N/A	N/A		EXPERIMENTAL TRAILER			NO FLOW		no	NO DRAINS
33	211	33-211	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	212	33-212	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	213	33-213	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	214	33-214	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	215	33-215	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	216	33-216	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
33	217	33-217	N/A	N/A		SHED			NO FLOW		no	NO DRAINS
33	227	33-227	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	228	33-228	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	229	33-229	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
33	255	33-255	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
39	2	39-2-OPN-1	N/A	1SD5		JANITOR'S CLOSET			5 DAYS PER WEEK		no	CLEANING
39	2	39-2-OPN-2	ST LA-44	1FD1	19	LADIES REST ROOM			FLOW IS NIL		no	FLOOR WASHING
39	2	39-2-OPN-2	ST LA-44	1FD2	23	MEN'S REST ROOM			FLOW IS NIL		no	FLOOR WASHING
39	2	39-2-OPN-2	ST LA-44	1FD5	36	SHOP			FLOW IS NIL		no	FLOOR WASHING
39	2	39-2-OPN-2	ST LA-44	1FD6	36	SHOP			FLOW IS NIL		no	FLOOR WASHING
39	2	39-2-OPN-2	ST LA-44	1LV1	19	LADIES ROOM			5 DAYS PER WEEK		no	LAVATORY
39	2	39-2-OPN-2	ST LA-44	1LV2	23	MEN'S ROOM			5 DAYS PER WEEK		no	LAVATORY
39	2	39-2-OPN-2	ST LA-44	1LV3	23	MEN'S ROOM			5 DAYS PER WEEK		no	LAVATORY
39	2	39-2-OPN-2	ST LA-44	1LV4	23	MEN'S ROOM			5 DAYS PER WEEK		no	LAVATORY
39	2	39-2-OPN-2	ST LA-44	1SD1	2	LAB			5 DAYS PER WEEK		no	REMOVED
39	2	39-2-OPN-2	ST LA-44	1SD2	4	OFFICE			5 DAYS PER WEEK		no	CLEAN-UP
39	2	39-2-OPN-2	ST LA-44	1SD3	4A	OFFICE			5 DAYS PER WEEK		no	CLEAN-UP

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
39	2	39-2-OPN-2	ST LA-44	1SD4	8	LAB				5 DAYS PER WEEK	no	CLEAN-UP
39	2	39-2-OPN-2	ST LA-44	1SD6	21	JANITOR'S CLOSET				5 DAYS PER WEEK	no	CLEAN-UP
39	2	39-2-OPN-2	ST LA-44	1SD7	12	LUNCH ROOM				5 DAYS PER WEEK	no	CLEAN-UP
39	2	39-2-OPN-2	ST LA-44	1SD8	30	LAB				5 DAYS PER WEEK	no	CLEAN-UP
39	2	39-2-OPN-2	ST LA-44	1SH1	23	MEN'S REST ROOM				5 DAYS PER WEEK	no	SHOWER
39	2	39-2-OPN-2	ST LA-44	1TL1	19	LADIES REST ROOM				5 DAYS PER WEEK	no	TOILET
39	2	39-2-OPN-2	ST LA-44	1TL2	23	MEN'S REST ROOM				5 DAYS PER WEEK	no	TOILET
39	2	39-2-OPN-2	ST LA-44	1UR1	23	MEN'S REST ROOM				5 DAYS PER WEEK	no	URINAL
39	2	39-2-OPN-2	ST LA-44	1WF1		CORRIDOR				5 DAYS PER WEEK	no	WATER FOUNTAIN
39	2	39-2-OPN-3	DAYLIGHT	1FD3	25	EQUIPMENT ROOM				FLOW IS NIL	no	EQUIPMENT
39	2	39-2-OPN-3	DAYLIGHT	1FD4	25	EQUIPMENT ROOM				FLOW IS NIL	no	EQUIPMENT
39	2	39-2-OPN-3	DAYLIGHT	1SP1	25	EQUIPMENT ROOM				FLOW IS NIL	no	EQUIPMENT
39	2	39-2-OPN-3	DAYLIGHT	RD1		ROOF				MOSTLY SUMMER	yes	RAIN
39	2	39-2-OPN-3	DAYLIGHT	RD2		ROOF				MOSTLY SUMMER	yes	RAIN
39	2	39-2-OPN-3	DAYLIGHT	RD3		ROOF				MOSTLY SUMMER	yes	RAIN
39	2	39-2-OPN-3	DAYLIGHT	RD4		ROOF				MOSTLY SUMMER	yes	RAIN
39	2	39-2-OPN-4	N/A	1ED1	37A	OFFICE		4	GPM	5 DAYS PER WEEK	no	X-RAY MACHINE
39	2	39-2-OPN-4	N/A	1SD9	11	DARK ROOM		1.5	GPM	5 DAYS PER WEEK	no	PHOTO PROCESSING
39	3	39-3	N/A	N/A		MAIN MAGAZINE				NO FLOW	no	NO DRAINS
39	4	39-4	N/A	N/A		TRIM MAGAZINE				NO FLOW	no	NO DRAINS
39	5	39-5	N/A	N/A		READY MAGAZINE				NO FLOW	no	NO DRAINS
39	6	39-6-OPN-1	DRYWELL	1FD1		CABLE TRENCH				FLOW IS NIL	no	FLOOR WASHING
39	6	39-6-OPN-2	DAYLIGHT	N/A		AIR COMPRESSOR DRAIN				FLOW IS NIL	no	TANK DRAIN
39	7	39-7-OPN-1	DRYWELL	1FD1		CABLE TRENCH				FLOW IS NIL	no	FLOOR WASHING
39	7	39-7-OPN-2	DAYLIGHT	N/A		AIR COMPRESSOR DRAIN				FLOW IS NIL	no	TANK DRAIN
39	8	39-8-OPN-1	DRYWELL	1FD1		CONTROL ROOM				FLOW IS NIL	no	FLOOR WASHING
39	9	39-9	N/A	N/A		HOSE HOUSE				NO FLOW	no	NO DRAINS
39	10	39-10	N/A	N/A		HOSE HOUSE				NO FLOW	no	NO DRAINS
39	54	39-54	N/A	N/A		MAGAZINE				NO FLOW	no	NO DRAINS
39	56	39-56	N/A	N/A		GUN BUILDING				NO FLOW	no	NO DRAINS
39	57	39-57-OPN-1	DRYWELL	1FD1		CABLE TRENCH				FLOW IS NIL	no	FLOOR WASHING
39	57	39-57-OPN-1	DRYWELL	N/A		AIR COMPRESSOR ROOM				FLOW IS NIL	no	EQUIPMENT
39	57	39-57-OPN-2	DAYLIGHT	N/A		AIR COMPRESSOR ROOM				FLOW IS NIL	no	AIR COMPRESSOR

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	FLOW	RATE	PERIODICITY		SOURCE TYPES
										SEASONAL		
39	62	39-62-OPN-1	DAYLIGHT	N/A		BACK FLOW PREVENTER				FLOW IS NIL	no	BFP
39	62	39-62-OPN-2	ST LA-44	1SD1		STORAGE				NO FLOW	no	NONE
39	62	39-62-OPN-3	DAYLIGHT	N/A		WATER HEATER				FLOW IS NIL	no	PRV
39	63	39-63	N/A	N/A		EQUIPMENT SHELTER				NO FLOW	no	NO DRAINS
39	64	39-64	N/A	N/A		EQUIPMENT SHELTER				NO FLOW	no	NO DRAINS
39	66	39-66	N/A	N/A		BARRICADE				NO FLOW	no	NO DRAINS
39	67	39-67	N/A	N/A		CAPAC. BANK ENCLOSURE				NO FLOW	no	NO DRAINS
39	68	39-68	N/A	N/A		STORAGE BUILDING				NO FLOW	no	NO DRAINS
39	69	39-69-OPN-1	04A141	N/A		COOLING WATER		2	GPM	7 DAYS PER WEEK	no	COOLING WATER
39	69	39-69-OPN-2	DAYLIGHT	N/A		BACK FLOW PREVENTER				FLOW IS NIL	no	BFP
39	69	39-69-OPN-3	DAYLIGHT	N/A		AIR DRIER				FLOW IS NIL	no	DRIER
39	69	39-69-OPN-4	DAYLIGHT	N/A		AIR COMPRESSOR DRAIN				FLOW IS NIL	no	TANK DRAIN
39	69	39-69-OPN-5	04A141	N/A		COOLING WATER		1	GPM	5 DAYS PER WEEK	no	COOLING WATER
39	77	39-77	N/A	N/A		MAGAZINE				NO FLOW	no	NO DRAINS
39	88	39-88	N/A	N/A		FIRING CHAMBER				NO FLOW	no	NO DRAINS
39	89	39-89-OPN-1	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	89	39-89-OPN-2	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	89	39-89-OPN-3	N/A	1SD1		LAB				5 DAYS PER WEEK	no	HAND WASHING
39	89	39-89-OPN-3	N/A	1SD2		LAB				5 DAYS PER WEEK	no	HAND WASHING
39	89	39-89-OPN-3	N/A	1SD3		LAB				5 DAYS PER WEEK	no	HAND WASHING
39	89	39-89-OPN-4	04A156	N/A		LAB		4.6	GPM	5 DAYS PER WEEK	no	NON-CONTACT COOLING WATER
39	89	39-89-OPN-5	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	89	39-89-OPN-6	N/A	N/A		LAB				NO FLOW	no	GAS VENT
39	89	39-89-OPN-7	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	89	39-89-OPN-8	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	89	39-89-OPN-9	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	95	39-95	N/A	N/A		CAPACITOR BANK BUNKER				NO FLOW	no	NO DRAINS
39	96	39-96	N/A	N/A		UTILITY TUNNEL				NO FLOW	no	NO DRAINS
39	97	39-97	N/A	N/A		TRAILER BAY				NO FLOW	no	NO DRAINS
39	98	39-98-OPN-1	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	98	39-98-OPN-2	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	98	39-98-OPN-3	N/A	N/A		ROOF				MOSTLY SUMMER	yes	RAIN
39	98	39-98-OPN-4	ST LA-44	1FD1		SHOP				NO FLOW	no	PLUGGED

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
39	98	39-98-OPN-4	ST LA-44	1FD2		SHOP			NO FLOW		no	PLUGGED
39	98	39-98-OPN-4	ST LA-44	1FD3		SHOP			NO FLOW		no	PLUGGED
39	98	39-98-OPN-4	ST LA-44	1FD4		SHOP			NO FLOW		no	PLUGGED
39	98	39-98-OPN-4	ST LA-44	1FD5		SHOP			NO FLOW		no	PLUGGED
39	98	39-98-OPN-4	ST LA-44	1FD6		SHOP			NO FLOW		no	PLUGGED
39	98	39-98-OPN-4	ST LA-44	1FD7		LADIES REST ROOM			FLOW IS NIL		no	FLOOR WASHING
39	98	39-98-OPN-4	ST LA-44	1FD8		MEN'S REST ROOM			FLOW IS NIL		no	FLOOR WASHING
39	98	39-98-OPN-4	ST LA-44	1LV1		LADIES REST ROOM			5 DAYS PER WEEK		no	LAVATORY
39	98	39-98-OPN-4	ST LA-44	1LV2		MEN'S REST ROOM			5 DAYS PER WEEK		no	LAVATORY
39	98	39-98-OPN-4	ST LA-44	1LV3		MEN'S REST ROOM			5 DAYS PER WEEK		no	LAVATORY
39	98	39-98-OPN-4	ST LA-44	1SD1		SHOP			5 DAYS PER WEEK		no	SHOP AREA SINK
39	98	39-98-OPN-4	ST LA-44	1SH1		LADIES REST ROOM			5 DAYS PER WEEK		no	SHOWER
39	98	39-98-OPN-4	ST LA-44	1SH2		MEN'S REST ROOM			5 DAYS PER WEEK		no	SHOWER
39	98	39-98-OPN-4	ST LA-44	1SH3		MEN'S REST ROOM			5 DAYS PER WEEK		no	SHOWER
39	98	39-98-OPN-4	ST LA-44	1SH4		MEN'S REST ROOM			5 DAYS PER WEEK		no	SHOWER
39	98	39-98-OPN-4	ST LA-44	1TL1		LADIES REST ROOM			5 DAYS PER WEEK		no	TOILET
39	98	39-98-OPN-4	ST LA-44	1TL2		MEN'S REST ROOM			5 DAYS PER WEEK		no	TOILET
39	98	39-98-OPN-4	ST LA-44	1TL3		MEN'S REST ROOM			5 DAYS PER WEEK		no	TOILET
39	98	39-98-OPN-4	ST LA-44	1UR1		MEN'S REST ROOM			5 DAYS PER WEEK		no	URINAL
39	98	39-98-OPN-4	ST LA-44	1WF1		SHOP			5 DAYS PER WEEK		no	WATER FOUNTAIN
39	98	39-98-OPN-4	ST LA-44	1WF2		SHOP			5 DAYS PER WEEK		no	WATER FOUNTAIN
39	98	39-98-OPN-5	DAYLIGHT	N/A		FIRE WATER DRAIN			ANNUAL TESTING		no	FIRE DRAIN
39	98	39-98-OPN-6	N/A	N/A		ROOF			MOSTLY SUMMER		no	RAIN
39	98	39-98-OPN-7	N/A	N/A		ROOF			MOSTLY SUMMER		no	RAIN
39	100	39-100-OPN-1	ST LA-44	1LV1		REST ROOM			5 DAYS PER WEEK		no	LAVATORY
39	100	39-100-OPN-1	ST LA-44	1LV2		REST ROOM			5 DAYS PER WEEK		no	LAVATORY
39	100	39-100-OPN-1	ST LA-44	1SD1		REST ROOM			5 DAYS PER WEEK		no	CLEAN-UP
39	100	39-100-OPN-1	ST LA-44	1TL1		REST ROOM			5 DAYS PER WEEK		no	TOILET
39	100	39-100-OPN-1	ST LA-44	1TL2		REST ROOM			5 DAYS PER WEEK		no	TOILET
39	100	39-100-OPN-1	ST LA-44	1WF1		REST ROOM			5 DAYS PER WEEK		no	WATER FOUNTAIN
39	100	39-100-OPN-2	DAYLIGHT	N/A		HOT WATER HEATER			FLOW IS NIL		no	PRV
39	101	39-101	N/A	N/A		TRAILER LABORATORY			NO FLOW		no	NO DRAINS
39	103	39-103-OPN-1	ST LA-44	1SD1		CONFERENCE ROOM			5 DAYS PER WEEK		no	CLEAN-UP

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY		SOURCE TYPES
											SEASONAL	
39	103	39-103-OPN-1	ST LA-44	1WF1		CONFERENCE ROOM			5 DAYS PER WEEK	no	WATER FOUNTAIN	
39	103	39-103-OPN-2	DAYLIGHT	N/A		HOT WATER HEATER			FLOW IS NIL	no	PRV	
39	107	39-107-OPN-1	ST LA-44	1LV1		LADIES REST ROOM			5 DAYS PER WEEK	no	LAVATORY	
39	107	39-107-OPN-1	ST LA-44	1LV2		MEN'S REST ROOM			5 DAYS PER WEEK	no	LAVATORY	
39	107	39-107-OPN-1	ST LA-44	1SD1		JANITOR'S CLOSET			5 DAYS PER WEEK	no	CLEAN-UP	
39	107	39-107-OPN-1	ST LA-44	1SD2		KITCHEN			5 DAYS PER WEEK	no	CLEAN-UP	
39	107	39-107-OPN-1	ST LA-44	1SH1		LADIES REST ROOM			5 DAYS PER WEEK	no	SHOWER	
39	107	39-107-OPN-1	ST LA-44	1SH2		MEN'S REST ROOM			5 DAYS PER WEEK	no	SHOWER	
39	107	39-107-OPN-1	ST LA-44	1TL1		LADIES REST ROOM			5 DAYS PER WEEK	no	TOILET	
39	107	39-107-OPN-1	ST LA-44	1TL2		MEN'S REST ROOM			5 DAYS PER WEEK	no	TOILET	
39	107	39-107-OPN-1	ST LA-44	1WF1		CORRIDOR			5 DAYS PER WEEK	no	WATER FOUNTAIN	
39	111	39-111-OPN-1	N/A	N/A		ROOF			MOSTLY SUMMER	no	RAIN	
39	111	39-111-OPN-2	N/A	N/A		ROOF			MOSTLY SUMMER	no	RAIN	
39	111	39-111-OPN-3	N/A	N/A		ROOF			MOSTLY SUMMER	no	RAIN	
39	111	39-111-OPN-4	ST SF890024	1FD1		EQUIPMENT ROOM			7 DAYS PER WEEK	no	EQUIPMENT	
39	111	39-111-OPN-4	ST SF890024	1SD1		SHOP			5 DAYS PER WEEK	no	SHOP SINK	
39	111	39-111-OPN-4	ST SF890024	1SD2		REST ROOM			5 DAYS PER WEEK	no	CLEAN-UP	
39	111	39-111-OPN-4	ST SF890024	1TL1		26ST ROOM			5 DAYS PER WEEK	no	TOILET	
39	111	39-111-OPN-5	N/A	N/A		ROOF			MOSTLY SUMMER	yes	RAIN	
39	111	39-111-OPN-6	DAYLIGHT	N/A		HOT WATER HEATER			FLOW IS NIL	no	PRV	
39	111	39-111-OPN-7	N/A	N/A		ROOF			MOSTLY SUMMER	yes	RAIN	
39	111	39-111-OPN-8	N/A	N/A		ROOF			MOSTLY SUMMER	yes	RAIN	
39	115	39-115	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	116	39-116	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	119	39-119	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	121	39-121	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	122	39-122	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	123	39-123	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	125	39-125	N/A	N/A		TRANSPORTAINER			NO FLOW	no	NO DRAINS	
39	134	39-134	N/A	N/A		INSTRUMENT TRAILER			NO FLOW	no	NO DRAINS	
39	137	39-137	N/A	N/A		SHED			NO FLOW	no	NO DRAINS	
39	138	39-138	N/A	N/A		SOURCE STORAGE			NO FLOW	no	NO DRAINS	
39	139	39-139	N/A	N/A		SHED			NO FLOW	no	NO DRAINS	

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
39	141	39-141	N/A	N/A		CONTAMINATED OIL STORAGE			NO FLOW		no	NO DRAINS
39	142	39-142	N/A	N/A		DRUM STORAGE			NO FLOW		no	NO DRAINS
39	143	39-143	N/A	N/A		EXPERIMENTAL BUILDING			NO FLOW		no	NO DRAINS
39	144	39-144	N/A	N/A		SHED			NO FLOW		no	NO DRAINS
39	145	39-145	N/A	N/A		WOOD SHED			NO FLOW		no	NO DRAINS
39	146	39-146	N/A	N/A		PASSAGEWAY			NO FLOW		no	NO DRAINS
39	147	39-147	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
39	148	39-148	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
39	150	39-150	N/A	N/A		TRANSPORTAINER			NO FLOW		no	NO DRAINS
39	151	39-151	N/A	N/A		EXPERIMENTAL TRAILER			NO FLOW		no	NO DRAINS
39	152	39-152	N/A	N/A		STORAGE TRAILER			NO FLOW		no	NO DRAINS
49	23	49-23	N/A	N/A		BOTTLE HOUSE			NO FLOW		no	NO DRAINS
49	101	49-101	N/A	N/A		TEST WELL HOUSE			NO FLOW		no	NO DRAINS
49	113	49-113-OPN-1	ST LA-49	1FD1		EQUIPMENT ROOM			7 DAYS PER WEEK		no	EQUIPMENT
49	113	49-113-OPN-1	ST LA-49	1LV1		REST ROOM			5 DAYS PER WEEK		no	LAVATORY
49	113	49-113-OPN-1	ST LA-49	1SD1		KITCHEN			5 DAYS PER WEEK		no	KITCHEN SINK
49	113	49-113-OPN-1	ST LA-49	1TL1		REST ROOM			5 DAYS PER WEEK		no	TOILET
49	113	49-113-OPN-2	DAYLIGHT	1HW1		HOT WATER HEATER			FLOW IS NIL		no	PRV
49	114	49-114-OPN-1	SUMP	1ESH1		EXPLOSIVES MAGAZINE			NO FLOW		no	NO SOURCE OF WATER
49	114	49-114-OPN-1	SUMP	1FD1		EXPLOSIVES MAGAZINE			NO FLOW		no	NO SOURCE OF WATER
49	114	49-114-OPN-1	SUMP	1SD1		EXPLOSIVES MAGAZINE			NO FLOW		no	NO SOURCE OF WATER
49	115	49-115-OPN-1	ST LA-50	1FD1		KITCHEN			5 DAYS PER WEEK		no	CLEAN-UP
49	115	49-115-OPN-1	ST LA-50	1FD2		KITCHEN			5 DAYS PER WEEK		no	CLEAN-UP
49	115	49-115-OPN-1	ST LA-50	1LV1		LADIES REST ROOM			5 DAYS PER WEEK		no	LAVATORY
49	115	49-115-OPN-1	ST LA-50	1LV2		MEN'S REST ROOM			5 DAYS PER WEEK		no	LAVATORY
49	115	49-115-OPN-1	ST LA-50	1SD1		KITCHEN			5 DAYS PER WEEK		no	CLEAN-UP
49	115	49-115-OPN-1	ST LA-50	1SD2		KITCHEN			5 DAYS PER WEEK		no	CLEAN-UP
49	115	49-115-OPN-1	ST LA-50	1SH1		LADIES REST ROOM			5 DAYS PER WEEK		no	SHOWER
49	115	49-115-OPN-1	ST LA-50	1SH2		MEN'S REST ROOM			5 DAYS PER WEEK		no	SHOWER
49	115	49-115-OPN-1	ST LA-50	1SH3		MEN'S REST ROOM			5 DAYS PER WEEK		no	SHOWER
49	115	49-115-OPN-1	ST LA-50	1TL1		LADIES REST ROOM			5 DAYS PER WEEK		no	TOILET
49	115	49-115-OPN-1	ST LA-50	1TL2		MEN'S REST ROOM			5 DAYS PER WEEK		no	TOILET
49	115	49-115-OPN-1	ST LA-50	1UR1		MEN'S REST ROOM			5 DAYS PER WEEK		no	URINAL

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
49	115	49-115-OPN-2	DAYLIGHT	1HW1		HOT WATER HEATER				FLOW IS NIL	no	PRV
49	115	49-115-OPN-3	N/A	RD1		ROOF				MOSTLY SUMMER	yes	RAIN
49	115	49-115-OPN-4	N/A	RD2		ROOF				MOSTLY SUMMER	yes	RAIN
49	115	49-115-OPN-5	N/A	RD3		ROOF				MOSTLY SUMMER	yes	RAIN
49	115	49-115-OPN-6	N/A	RD4		ROOF				MOSTLY SUMMER	yes	RAIN
49	121	49-121	N/A	N/A		CABLE BUILDING				NO FLOW	no	NO DRAINS
49	122	49-122	N/A	N/A		STORAGE TRAILER				NO FLOW	no	NO DRAINS
49	123	49-123	N/A	N/A		ANTENNA				NO FLOW	no	NO DRAINS
49	124	49-124	N/A	N/A		SHED				NO FLOW	no	NO DRAINS
49	130	49-130	N/A	N/A		STORAGE TRAILER				NO FLOW	no	NO DRAINS
49	131	49-131	N/A	N/A		STORAGE TRAILER				NO FLOW	no	NO DRAINS
49	132	49-132	N/A	N/A		STORAGE TRAILER				NO FLOW	no	NO DRAINS
49	133	49-133	N/A	N/A		STORAGE TRAILER				NO FLOW	no	NO DRAINS
49	135	49-135	N/A	N/A		FRAME BUILDING				NO FLOW	no	NO DRAINS
69	1	69-1-OPN-1	ST SF890025	1LV1		REST ROOM				5 DAYS PER WEEK	no	LAVATORY
69	1	69-1-OPN-1	ST SF890025	1TL1		REST ROOM				5 DAYS PER WEEK	no	TOILET
69	1	69-1-OPN-1	ST SF890025	1WF1		REST ROOM				5 DAYS PER WEEK	no	WATER FOUNTAIN
69	2	69-2-OPN-1	ST SF890025	1LV1		LADIES REST ROOM				5 DAYS PER WEEK	no	LAVATORY
69	2	69-2-OPN-1	ST SF890025	1LV2		MEN'S REST ROOM				5 DAYS PER WEEK	no	LAVATORY
69	2	69-2-OPN-1	ST SF890025	1SD1		KITCHEN				5 DAYS PER WEEK	no	CLEAN-UP
69	2	69-2-OPN-1	ST SF890025	1SD2		JANITOR'S CLOSET				5 DAYS PER WEEK	no	JANITORIAL
69	2	69-2-OPN-1	ST SF890025	1TL1		LADIES REST ROOM				5 DAYS PER WEEK	no	TOILET
69	2	69-2-OPN-1	ST SF890025	1TL2		MEN'S REST ROOM				5 DAYS PER WEEK	no	TOILET
69	2	69-2-OPN-1	ST SF890025	1UR1		MEN'S REST ROOM				5 DAYS PER WEEK	no	URINAL
69	2	69-2-OPN-1	ST SF890025	1WF1		HALLWAY				5 DAYS PER WEEK	no	WATER FOUNTAIN
69	3	69-3	N/A	N/A		INCINERATOR BUILDING				NO FLOW	no	NO DRAINS
69	4	69-4	N/A	N/A		GUARD BUILDING				NO FLOW	no	NO DRAINS
69	5	69-5	N/A	N/A		OFFICE TRAILER				NO FLOW	no	NO DRAINS
69	6	69-6	N/A	N/A		WATER TANK				NO FLOW	no	NO DRAINS
69	7	69-7	N/A	N/A		WATER TANK				NO FLOW	no	NO DRAINS
69	8	69-8-OPN-1	DAYLIGHT	1FD1		BACK FLOW PREVENTER				FLOW IS NIL	no	BACK FLOW PREVENTER
69	8	69-8-OPN-1	DAYLIGHT	1FD2		BACK FLOW PREVENTER				FLOW IS NIL	no	BACK FLOW PREVENTER



CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 YES (complete the following table)  NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW		5. TOTAL VOLUME (specify with units)		6. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY			
04A147	Non-contact cooling water	.1	12	1.1	1.1	1104	1104	6
				X 10-3	X 10-3			

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. RE-QUIRED	b. PRO-jected
EPA Docket No. VI-92-1306		All	Complete Waste Stream Characterization surveys and implement corrective actions.	7/31/93	FY96

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding — Complete one set of tables for each outfall — Annotate the outfall number in the space provided.  
 NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A			

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)       NO (go to Item VI-B)

N/A

CONTINUED FROM THE FRONT

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below)

NO (go to Section VIII)

N/A

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
N/A			

**IX. 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 & OFFICIAL TITLE (type or print) JERRY L. BELLOWS, AREA MANAGER, DOE ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS	B. PHONE NO. (area code & no.) 505-667-5105 505-667-9390
C. SIGNATURE	D. DATE SIGNED

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

OUTFALL NO.  
04A147

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

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						d. NO. OF ANALYSES	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)			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	< 8.4						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	< 10.0	< 41.8						mg/l	g/d			
c. Total Organic Carbon (TOC)	0.6	2.5						mg/l	g/d			
d. Total Suspended Solids (TSS)	18.0	75.2						mg/l	g/d			
e. Ammonia (as N)	< 0.1	< 0.418						mg/l	g/d			
f. Flow	VALUE 1104		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						d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)		
	a. BE-LEVEL PRESENT	b. BE-LEVEL ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)			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	< 2.1						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	0.9						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		0.304	1.3						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

I. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED PRESENT	b. RECEIVED 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	b. LONG TERM AVERAGE VALUE		c. 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	< 2.1						mg/l	g/d			
h. Oil and Grease		X	< 1.05	< 4.4						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.2						mg/l	g/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	0.4						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	27.6						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.3						pCi/l	nCi/d			
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		3.16	13.2						mg/l	g/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X	< 0.05	< 0.2						mg/l	g/d			
n. Surfactants		X	< 0.1	< 0.4						mg/l	g/d			
o. Aluminum, Total (7429-90-6)		X	< 0.04	< 0.2						mg/l	g/d			
p. Barium, Total (7440-39-3)	X		0.03	0.1						mg/l	g/d			
q. Boron, Total (7440-42-8)	X		0.02	83.6						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.4						mg/l	g/d			
s. Iron, Total (7439-89-6)	X		0.41	1.7						mg/l	g/d			
t. Magnesium, Total (7439-95-4)	X		2.5	10.4						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 83.6						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	41.8						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.2						mg/l	g/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 16.7						mg/l	mg/d			

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. YES/NO	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	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X	<	0.050	<	0.2					mg/l	g/d		
2M. Arsenic, Total (7440-38-2)		X			0.002		8.4					mg/l	mg/d		
3M. Beryllium, Total, 7440-41-7)			X	<	0.001	<	4.2					mg/l	mg/d		
4M. Cadmium, Total (7440-43-9)			X	<	0.010	<	41.8					mg/l	mg/d		
5M. Chromium, Total (7440-47-3)		X			0.040		0.2					mg/l	g/d		
6M. Copper, Total (7440-50-8)		X			0.031		0.1					mg/l	g/d		
7M. Lead, Total (7439-92-1)			X	<	0.050	<	0.2					mg/l	g/d		
8M. Mercury, Total (7439-97-6)			X	<	0.0002	<	0.8					mg/l	mg/d		
9M. Nickel, Total (7440-02-0)		X			0.06		0.3					mg/l	g/d		
10M. Selenium, Total (7782-49-2)			X	<	0.001	<	4.2					mg/l	mg/d		
11M. Silver, Total (7440-22-4)			X	<	0.010	<	41.8					mg/l	mg/d		
12M. Thallium, Total (7440-28-0)			X	<	0.4	<	1.7					mg/l	g/d		
13M. Zinc, Total (7440-66-6)		X			0.043		0.2					mg/l	g/d		
14M. Cyanide, Total (57-12-5)			X		0.01		41.8					mg/l	mg/d		
15M. Phenols, Total			X	<	0.01	<	41.8					mg/l	mg/d		
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. RECEIVED PRESENT	c. RECEIVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 20.9						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 20.9						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 20.9						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 20.9						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 20.9						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.0						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 20.9						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 20.9						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 20.9						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 20.9						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 20.9						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 20.9						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 20.9						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 41.8						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 41.8						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	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		a. CONCENTRATION	b. MASS	d. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS		
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 20.9					mg/l	mg/d				
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 20.9					mg/l	mg/d				
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 20.9					mg/l	mg/d				
25V. Toluene (108-88-3)			X	< 0.005	< 20.9					mg/l	mg/d				
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 20.9					mg/l	mg/d				
27V. 1,1,1-Trichloroethane (71-65-6)			X	< 0.005	< 20.9					mg/l	mg/d				
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 20.9					mg/l	mg/d				
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 20.9					mg/l	mg/d				
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 20.9					mg/l	mg/d				
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 41.8					mg/l	mg/d				
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 41.8					mg/l	mg/d				
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 41.8					mg/l	mg/d				
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 41.8					mg/l	mg/d				
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 41.8					mg/l	mg/d				
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 41.8					mg/l	mg/d				
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 41.8					mg/l	mg/d				
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 41.8					mg/l	mg/d				
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 41.8					mg/l	mg/d				
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 41.8					mg/l	mg/d				
10A. Phenol (108-95-2)			X	< 0.010	< 41.8					mg/l	mg/d				
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 41.8					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	d. MAXIMUM 30 DAY VALUE (if available)		e. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES	
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS		
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS														
1B. Acenaphthene (83-32-9)			X	< 0.010	< 41.8					mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 41.8					mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 41.8					mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 41.8					mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 41.8					mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 41.8					mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 41.8					mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 41.8					mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 41.8					mg/l	mg/d			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X	< 0.010	< 41.8					mg/l	mg/d			
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	< 0.010	< 41.8					mg/l	mg/d			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X	< 0.010	< 41.8					mg/l	mg/d			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	< 0.010	< 41.8					mg/l	mg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	< 0.010	< 41.8					mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 41.8					mg/l	mg/d			
16B. 2-Chloronaphthalene (91-68-7)			X	< 0.010	< 41.8					mg/l	mg/d			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 41.8					mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 41.8					mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 41.8					mg/l	mg/d			
20B. 1,2-Dichlorobenzene (95-50-1)			X	< 0.010	< 41.8					mg/l	mg/d			
21B. 1,3-Dichlorobenzene (541-73-1)			X	< 0.010	< 41.8					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)			
	S. 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	B. CONCENTRATION	b. MASS	3. 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 - BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 41.8						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 41.8						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 41.8						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 41.8						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 41.8						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 41.8						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 41.8						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 41.8						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 41.8						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 41.8						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 41.8						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 41.8						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 41.8						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 41.8						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 41.8						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 41.8						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 41.8						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 41.8						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 41.8						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 41.8						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 41.8						mg/l	mg/d			

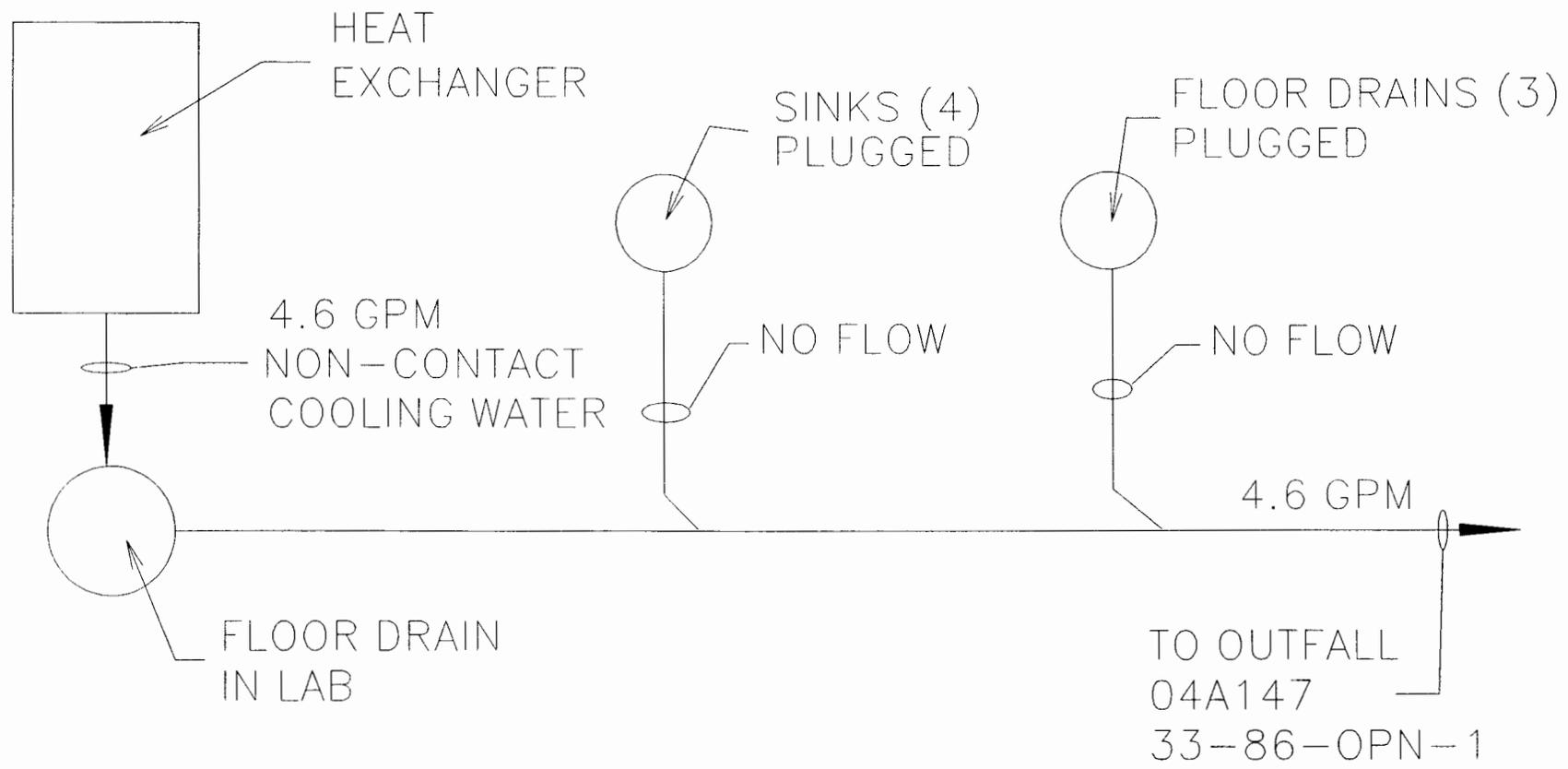
CONTINUED FROM THE FRONT

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 SENT	8. 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	< 9.5						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 9.5						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 9.5						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 9.5						mg/l	mg/d			
GC/MS FRACTION - PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 56.8						ug/l	ug/d			
2P. $\alpha$ -BHC (319-84-6)			X	< 0.02	< 18.9						ug/l	ug/d			
3P. $\beta$ -BHC (319-85-7)			X	< 0.1	< 94.6						ug/l	ug/d			
4P. $\gamma$ -BHC (58-89-9)			X	< 0.03	< 28.4						ug/l	ug/d			
5P. $\delta$ -BHC (319-86-8)			X	< 0.12	< 0.1						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 0.2						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 56.8						ug/l	ug/d			
8P. 4,4'-DDE (72-65-9)			X	< 0.08	< 75.7						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 75.7						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 75.7						ug/l	ug/d			
11P. $\alpha$ -Endosulfan (115-29-7)			X	< 0.05	< 47.3						ug/l	ug/d			
12P. $\beta$ -Endosulfan (115-29-7)			X	< 0.08	< 75.7						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 85.2						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 56.8						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 0.6						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 0.3						ug/l	mg/d			

CONTINUED FROM PAGE V-8

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	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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 37.9						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 0.6						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 0.6						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	< 0.6						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 2.4						ug/l	mg/d			

# SCHEMATIC OF WATER FLOW OUTFALL 04A147





CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 YES (complete the following table)  NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				5. DUR- ATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	4. FLOW RATE (in mgd)		6. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
04A156	Non-contact cooling water	2	12	2.5 X 10-4	2.5 X 10-4	250 GPD	250 GPD	104 d/yr

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of waste-water treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COM- PLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. RE- QUIRED	b. PRO- JECTED
EPA Docket No. VI-92-1306		All	Complete Waste Stream Characterization surveys and  implement corrective actions.	7/31/93	FY96

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding — Complete one set of tables for each outfall — Annotate the outfall number in the space provided.  
 NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-8.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A			

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)

NO (go to Item VI-B)

N/A

CONTINUED FROM THE FRONT

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below)

NO (go to Section VIII)

N/A

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
N/A			

**IX. 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 & OFFICIAL TITLE (type or print)

B. PHONE NO. (area code & no.)

JERRY L. BELLOWS, AREA MANAGER, DOE

505-667-5105

ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS

505-667-9390

C. SIGNATURE

D. DATE SIGNED

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.

04A156

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	b. LONG TERM AVERAGE VALUE		d. 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	< 1.9						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	< 10.0	< 9.5						mg/l	g/d			
c. Total Organic Carbon (TOC)	0.6	0.6						mg/l	g/d			
d. Total Suspended Solids (TSS)	18.0	17.0						mg/l	g/d			
e. Ammonia (as N)	< 0.1	< 94.625						mg/l	g/d			
f. Flow	VALUE 250		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	< 0.5						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	0.2						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		0.304	0.3						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. 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	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. 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	< 0.5						mg/l	g/d			
h. Oil and Grease		X	< 1.05	< 1.0						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	47.3						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	94.6						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	6.2						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	56.8						pCi/l	pCi/d			
k. Sulfate (as SO <sub>4</sub> ) (14806-79-8)	X		3.16	3.0						mg/l	g/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO <sub>3</sub> ) (14266-45-3)		X	< 0.05	< 47.3						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 94.6						mg/l	mg/d			
o. Aluminum, Total (7429-90-6)		X	< 0.04	< 37.9						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	28.4						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	18.9						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 94.6						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	0.4						mg/l	g/d			
t. Magnesium, Total (7439-95-4)	X		2.5	2.4						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 18.9						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	9.5						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 47.3						mg/l	mg/d			
x. Titanium, Total (7440-32-8)		X	< 0.004	< 3.8						mg/l	mg/d			

NM0890010515

04A156

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	b. MAXIMUM DAILY VALUE		d. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 47.3						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	1.9						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.9						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 9.5						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	37.9						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	29.3						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 47.3						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.2						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	56.8						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.9						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 9.5						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 0.4						mg/l	g/d			
13M. Zinc, Total (7440-66-6)		X		0.043	40.7						mg/l	mg/d			
14M. Cyanide, Total (57-12-8)			X	0.01	9.5						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 9.5						mg/l	mg/d			
<b>DIOXIN</b>															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1784-01-6)			X	DESCRIBE RESULTS											

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	E. CONCENTRATION	F. MASS	G. LONG TERM AVERAGE VALUE		H. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 4.7						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (642-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 4.7						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 4.7						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 4.7						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 4.7						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.00						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 4.7						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 4.7						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 4.7						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 4.7						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-36-4)			X	< 0.005	< 4.7						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 4.7						mg/l	kg/d			
18V. 1,3-Dichloropropane (542-75-8)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 4.7						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 9.5						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 9.5						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)				
	B 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)		a. CONCENTRATION	b. MASS	b. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>														
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 4.7					mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 4.7					mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 4.7					mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 4.7					mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-50-5)			X	< 0.005	< 4.7					mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 4.7					mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 4.7					mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 4.7					mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 4.7					mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 9.5					mg/l	mg/d			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>														
1A. 2-Chlorophenol (98-57-8)			X	< 0.010	< 9.5					mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 9.5					mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 9.5					mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 9.5					mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 9.5					mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 9.5					mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 9.5					mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 9.5					mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 9.5					mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 9.5					mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 9.5					mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT				d. NO. OF ANALYSES	4. UNITS		5. INTAKE (optional)				
	a. TESTING EQUIP.	b. BELIEVED PRESENT	c. BELIEVED ABSENT	b. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)			c. LONG TERM AVG. VALUE (if available)		b. CONCENTRATION	b. MASS	b. 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															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 9.5						mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 9.5						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 9.5						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 9.5						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 9.5						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 9.5						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 9.5						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 9.5						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 9.5						mg/l	mg/d			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X	< 0.010	< 9.5						mg/l	mg/d			
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	< 0.010	< 9.5						mg/l	mg/d			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X	< 0.010	< 9.5						mg/l	mg/d			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	< 0.010	< 9.5						mg/l	mg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	< 0.010	< 9.5						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 9.5						mg/l	mg/d			
16B. 2-Chloronaphthalene (91-68-7)			X	< 0.010	< 9.5						mg/l	mg/d			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 9.5						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 9.5						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 9.5						mg/l	mg/d			
20B. 1,2-Dichlorobenzene (95-50-1)			X	< 0.010	< 9.5						mg/l	mg/d			
21B. 1,3-Dichlorobenzene (541-73-1)			X	< 0.010	< 9.5						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)			
	a. STATUTORY REQUIREMENT	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	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 9.5						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 9.5						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 9.5						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 9.5						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 9.5						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 9.5						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 9.5						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 9.5						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 9.5						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 9.5						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 9.5						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 9.5						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 9.5						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 9.5						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 9.5						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 9.5						mg/l	mg/d			
38B. Isophorone (78-69-1)			X	< 0.010	< 9.5						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 9.5						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 9.5						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 9.5						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 9.5						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 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 94.8						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 94.8						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 94.8						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-92-1)			X	< 0.010	< 94.8						mg/l	mg/d			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.6						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.2						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 0.9						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.3						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 1.1						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 2.4						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.6						ug/l	ug/d			
8P. 4,4'-DDE (72-65-9)			X	< 0.08	< 0.8						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 0.8						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.8						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.5						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.8						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 0.9						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.6						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 5.9						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 2.8						ug/l	mg/d			

CONTINUED FROM PAGE V-8

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	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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.4						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 6.4						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 6.4						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	< 6.4						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 23.7						ug/l	mg/d			

# SCHEMATIC OF WATER FLOW OUTFALL 04A156

NON-CONTACT  
COOLING WATER  
FROM LASER

4.6 GPM

TO OUTFALL  
04A156  
39-89-OPN-4





CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 YES (complete the following table)  NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				5. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		b. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
03A038	Air washer blowdown, lab cup drains, sink drains, floor drains, sump pump, condensate from an ice maker, and storm water from roof drains	5	12	2.9 X 10-5	2.9 X 10-5	29 GPD	29 GPD	260

**III. PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
N/A			

**IV. IMPROVEMENTS**

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
EPA Docket No. VI-92-1306		All	Complete Waste Stream Characterization surveys and implement corrective actions.	7/31/93	FY96

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See Instructions before proceeding — Complete one set of tables for each outfall — Annotate the outfall number in the space provided.  
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-B.

D. Use the space below to list any of the pollutants listed in Table 2b-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A			

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)       NO (go to Item VI-B)

N/A

CONTINUED FROM THE FRONT

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below)

NO (go to Section VIII)

N/A

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
RMA	4955 Yarrow St., Arvada, CO 80002	(303)421-6611	Sulfide, total Ammonia Phenolics BOF TOC TON Color Surfactants (MBAS)

**IX. 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 & OFFICIAL TITLE (type or print)

JERRY L. BELLOWS, AREA MANAGER, DOE

ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS

C. SIGNATURE

B. PHONE NO. (area code & no.)

505-667-5105

505-667-9390

D. DATE SIGNED

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.  
03A038

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.

I. POLLUTANT	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)			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	0.2						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	42.0	4.6						mg/l	g/d			
c. Total Organic Carbon (TOC)	7.4	0.8						mg/l	g/d			
d. Total Suspended Solids (TSS)	7.0	0.8						mg/l	g/d			
e. Ammonia (as N)	< .01	< 1.098						mg/l	mg/d			
f. Flow	VALUE 29		VALUE		VALUE			gal/day		VALUE		
g. Temperature (winter)	VALUE 36.9 C		VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 6.8	MAXIMUM 8.8	MINIMUM 6.0	MAXIMUM 9.0	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 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	
a. Bromide (24959-67-9)	X		3.24	0.4						mg/l	g/d			
b. Chlorine, Total Residual		X	0.0	0.0						mg/l	mg/d			
c. Color	X		10							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.52	57.1						mg/l	mg/d			
f. Nitrate-Nitrite (as N)	X		1.13	0.1						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 ABSENT	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		b. 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		2.3	0.3						mg/l	g/d			
h. Oil and Grease		X	< 1.2	< 0.1						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		306	33.6						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		14	1.5						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	0.7						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.07	7.7						pCi/l	nCi/d			
k. Sulfate (as SO <sub>4</sub> ) (14806-79-8)	X		143	15.7						mg/l	g/d			
l. Sulfide (as S)	X		70.2	7.7						mg/l	g/d			
m. Sulfite (as SO <sub>3</sub> ) (14266-45-3)	X		18.8	2.1						mg/l	g/d			
n. Surfactants	X		0.11	12.1						mg/l	mg/d			
o. Aluminum, Total (7429-90-6)	X		0.06	6.6						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.11	12.1						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.33	36.2						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	0.07	11.0						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		1.1	0.1						mg/l	g/d			
t. Magnesium, Total (7439-95-4)	X		5.8	0.6						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)	X		1.7	0.2						mg/l	g/d			
v. Manganese, Total (7439-96-6)	X		0.05	5.5						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 5.5						mg/l	mg/d			
x. Titanium, Total (7440-32-8)		X	< 0.004	< 0.4						mg/l	mg/d			

NM0890010515

03A038

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	b. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS						
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 5.5						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.04	4.4						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.1	< 11.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)		X		.004	0.4						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		.260	28.5						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.1	11.0						mg/l	mg/d			
7M. Lead, Total (7439-92-1)		X		.050	5.5						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< .0002	< 0.0						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		.28	30.7						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< .001	< 0.1						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.01	< 1.1						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)		X		0.51	56.0						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		.071	7.8						mg/l	mg/d			
14M. Cyanide, Total (57-12-6)		X		.033	3.6						mg/l	mg/d			
15M. Phenols, Total			X	< .01	< 1.1						mg/l	mg/d			
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

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)		e. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	b. 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	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS</b>															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.5						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.5						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.5						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.5						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.5						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.00						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.5						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.5						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.5						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.5						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.5						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.5						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	< 0.005	< 0.5						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.5	X					mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 1.1						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 1.1						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)			
	B. TESTING REQUIRED	C. BELIEVED PRESENT	D. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.7						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.7						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.7						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.7						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.7						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.7						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.7						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.7						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.7						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 1.4						mg/l	mg/d			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 1.4						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 1.4						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 1.4						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 1.4						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 1.4						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 1.4						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 1.4						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 1.4						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 1.4						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 1.4						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-05-2)			X	< 0.010	< 1.4						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	a. 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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS</b>															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 1.4						mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 1.4						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 1.4						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 1.4						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 1.4						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 1.4						mg/l	mg/d			
7B. 3,4-Benzo- fluoranthene (205-99-2)			X	< 0.010	< 1.4						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 1.4						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 1.4						mg/l	mg/d			
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X	< 0.010	< 1.4						mg/l	mg/d			
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X	< 0.010	< 1.4						mg/l	mg/d			
12B. Bis (2-Chloroiso- propyl) Ether (102-60-1)			X	< 0.010	< 1.4						mg/l	mg/d			
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)			X	< 0.010	< 1.4						mg/l	mg/d			
14B. 4-Bromo- phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 1.4						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 1.4						mg/l	mg/d			
16B. 2-Chloro- naphthalene (91-58-7)			X	< 0.010	< 1.4						mg/l	mg/d			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 1.4						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 1.4						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 1.4						mg/l	mg/d			
20B. 1,2-Dichloro- benzene (95-50-1)			X	< 0.010	< 1.4						mg/l	mg/d			
21B. 1,3-Dichloro- benzene (541-73-1)			X	< 0.010	< 1.4						mg/l	mg/d			

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CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	TESTING REQUIRED	DEVELOPED PRESENT	CORRECTED 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	2. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(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	< 1.4						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 1.4						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 1.4						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 1.4						mg/l	mg/d			
26B. DI-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 1.4						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 1.4						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 1.4						mg/l	mg/d			
29B. DI-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 1.4						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 1.4						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 1.4						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 1.4						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 1.4						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 1.4						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 1.4						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 1.4						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 1.4						mg/l	mg/d			
38B. Isophorone (78-69-1)			X	< 0.010	< 1.4						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 1.4						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 1.4						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 1.4						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 1.4						mg/l	mg/d			

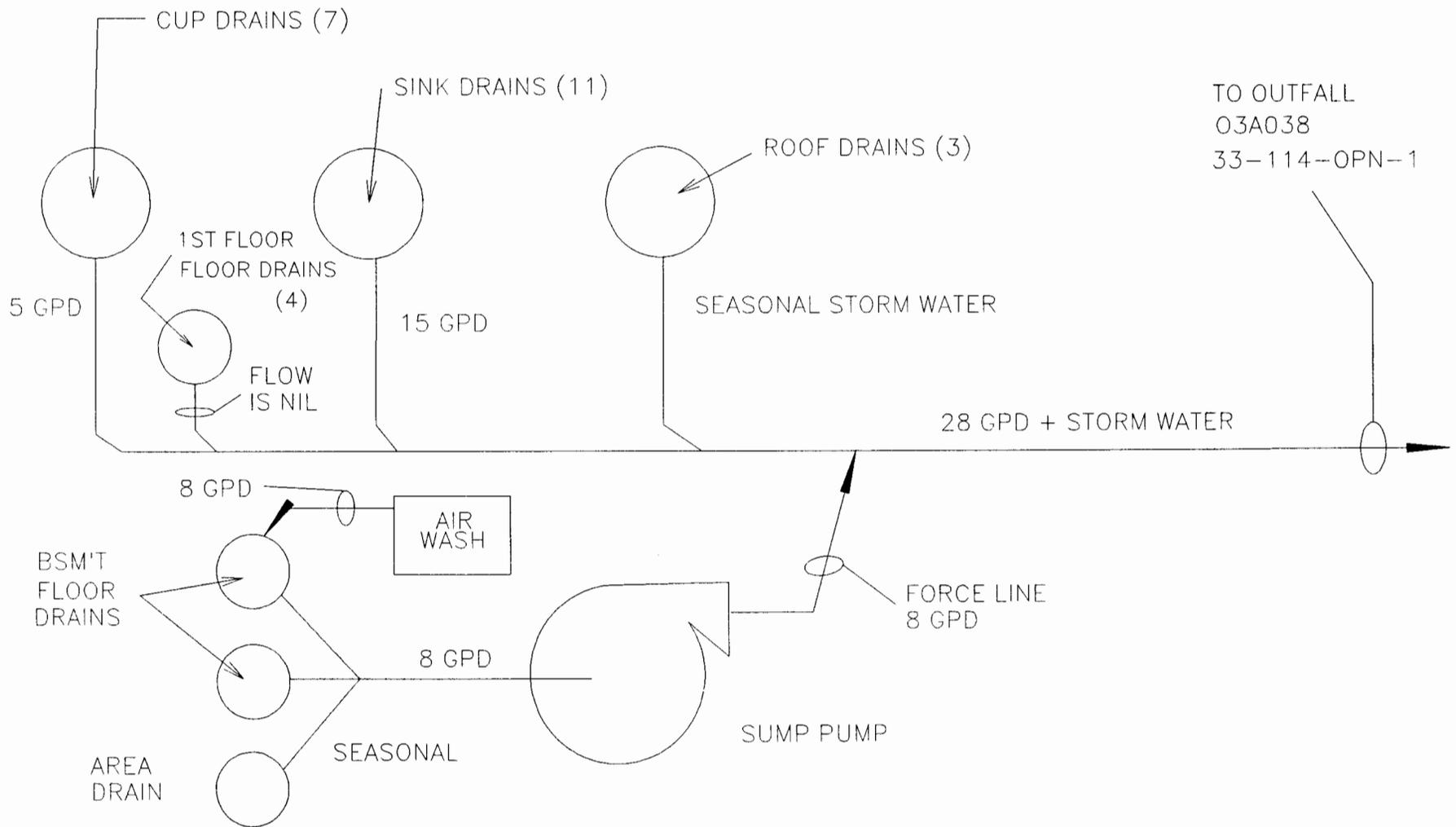
CONTINUED FROM THE FRONT

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 AVERAGE VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCEN-TRATION	b. MASS	A. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 1.1						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 1.1						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 1.1						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 1.1						mg/l	mg/d			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X	< 0.06	< 6.6						ug/l	ug/d			
2P. $\alpha$ -BHC (319-84-6)			X	< 0.04	< 2.2						ug/l	ug/d			
3P. $\beta$ -BHC (319-85-7)			X	< 0.1	< 11.0						ug/l	ug/d			
4P. $\gamma$ -BHC (58-89-9)			X	< 0.03	< 3.3						ug/l	ug/d			
5P. $\delta$ -BHC (319-86-8)			X	< 0.12	< 13.2						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 27.4						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 6.6						ug/l	ug/d			
8P. 4,4'-DDE (72-65-9)			X	< 0.08	< 8.8						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 8.8						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 8.8						ug/l	ug/d			
11P. $\alpha$ -Endosulfan (115-29-7)			X	< 0.05	< 5.5						ug/l	ug/d			
12P. $\beta$ -Endosulfan (115-29-7)			X	< 0.08	< 8.8						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 9.9						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 6.6						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 68.1						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.03	< 3.3						ug/l	ug/d			

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TEST-ING RE-QUIR-ED	B. BE-LIEVED PRE-SENT	C. BE-LIEVED AB-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCENT-RATION	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) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.08	< 8.8						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.71	< 77.9						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.71	< 77.9						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 (11098-82-6)			X	< 0.71	< 77.9						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 0.3						ug/l	mg/d			

# SCHEMATIC OF WATER FLOW OUTFALL 03A038





CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?  
 YES (complete the following table)  NO (go to Section III)

1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW		5. TOTAL VOLUME (specify with units)		6. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY			
04A141	Non-contact cooling water	2	12	4.32 X 10-4	1.08 X 10-3	432 GPD	1080 GPD	104 d/yr

**III. PRODUCTION**

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?  
 YES (complete Item III-B)  NO (go to Section IV)

B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)?  
 YES (complete Item III-C)  NO (go to Section IV)

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS (list outfall numbers)
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)	
N/A			

**IV. IMPROVEMENTS**

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.  
 YES (complete the following table)  NO (go to Item IV-B)

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
EPA Docket No. VI-92-1306		All	Complete Waste Stream Characterization surveys and implement corrective actions.	7/31/93	FY96

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.  MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

CONTINUED FROM PAGE 2

**V. INTAKE AND EFFLUENT CHARACTERISTICS**

A, B, & C: See instructions before proceeding - Complete one set of tables for each outfall - Annotate the outfall number in the space provided.  
NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-6.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A			

**VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS**

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

YES (list all such pollutants below)

NO (go to Item VI-B)

N/A

**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below)

NO (go to Section VIII)

N/A

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
N/A			

**IX. 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 & OFFICIAL TITLE (type or print)

JERRY L. BELLOWS, AREA MANAGER, DOE  
ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS

C. SIGNATURE

B. PHONE NO. (area code & no.)

505-667-5105

505-667-9390

D. DATE SIGNED

Data from worst case composite.

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

NM0890010515

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

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.

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

OUTFALL NO.  
04A141

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	< 8.2						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	< 10.0	< 40.9						mg/l	g/d			
c. Total Organic Carbon (TOC)	0.6	2.4						mg/l	g/d			
d. Total Suspended Solids (TSS)	18.0	73.6						mg/l	g/d			
e. Ammonia (as N)	< 0.1	< 0.409						mg/l	g/d			
f. Flow	VALUE 1080		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	< 2.0						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	0.9						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		0.304	1.2						mg/l	g/d			

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. RECEIVED PRE-SENT	b. RECEIVED AD-SENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. 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	< 2.0						mg/l	g/d			
h. Oil and Grease		X	< 1.05	< 4.3						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.2						mg/l	g/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	0.4						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	27.0						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.2						pCi/l	nCi/d			
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		3.16	12.9						mg/l	g/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X	< 0.05	< 0.2						mg/l	g/d			
n. Surfactants		X	< 0.1	< 0.4						mg/l	g/d			
o. Aluminum, Total (7429-90-6)		X	< 0.04	< 0.2						mg/l	g/d			
p. Barium, Total (7440-39-3)	X		0.03	0.1						mg/l	g/d			
q. Boron, Total (7440-42-8)	X		0.02	81.8						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.4						mg/l	g/d			
s. Iron, Total (7439-89-6)	X		0.41	1.7						mg/l	g/d			
t. Magnesium, Total (7439-96-4)	X		2.5	10.2						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 81.8						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	40.9						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.2						mg/l	g/d			
x. Titanium, Total (7440-32-8)		X	< 0.004	< 16.4						mg/l	mg/d			

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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. TEST-ING RE-QUIRED	b. BE-LIEVED PRE-SENT	c. BE-LIEVED 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	b. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.2						mg/l	g/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	8.2						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 4.1						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 40.9						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	0.2						mg/l	g/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.1						mg/l	g/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.2						mg/l	g/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.8						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.2						mg/l	g/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 4.1						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 40.9						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 1.6						mg/l	g/d			
13M. Zinc, Total (7440-66-6)		X		0.043	0.2						mg/l	g/d			
14M. Cyanide, Total (57-12-5)			X	0.01	40.9						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 40.9						mg/l	mg/d			
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1784-01-6)			X	DESCRIBE RESULTS											

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	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(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	< 20.4						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 20.4						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 20.4						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 20.4						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 20.4						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.0						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 20.4						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 20.4						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 20.4						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 20.4						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 20.4						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 20.4						mg/l	kg/d			
18V. 1,3-Dichloropropane (542-75-8)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 20.4						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 40.9						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 40.9						mg/l	mg/d			

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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	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE		h. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>GC/MS FRACTION - VOLATILE COMPOUNDS (continued)</b>															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 20.4						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 20.4						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 20.4						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 20.4						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 20.4						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 20.4						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 20.4						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 20.4						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 20.4						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 40.9						mg/l	mg/d			
<b>GC/MS FRACTION - ACID COMPOUNDS</b>															
1A. 2-Chlorophenol (98-57-8)			X	< 0.010	< 40.9						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 40.9						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 40.9						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (834-52-1)			X	< 0.010	< 40.9						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 40.9						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 40.9						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 40.9						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 40.9						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 40.9						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 40.9						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 40.9						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. TEST-ING RE-QUIR-ED	B. BE-LIEVED PRE-SENT	C. BE-LIEVED 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. CONCENTRATION	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) CONCENTRATION	(2) MASS	
GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 40.9						mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 40.9						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 40.9						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 40.9						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 40.9						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 40.9						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (206-89-2)			X	< 0.010	< 40.9						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 40.9						mg/l	mg/d			
9B. Benzo (h) Fluoranthene (207-08-9)			X	< 0.010	< 40.9						mg/l	mg/d			
10B. Bis (2-Chloroethoxy) Methane (111-91-1)			X	< 0.010	< 40.9						mg/l	mg/d			
11B. Bis (2-Chloroethyl) Ether (111-44-4)			X	< 0.010	< 40.9						mg/l	mg/d			
12B. Bis (2-Chloroisopropyl) Ether (102-60-1)			X	< 0.010	< 40.9						mg/l	mg/d			
13B. Bis (2-Ethylhexyl) Phthalate (117-81-7)			X	< 0.010	< 40.9						mg/l	mg/d			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X	< 0.010	< 40.9						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 40.9						mg/l	mg/d			
16B. 2-Chloronaphthalene (91-68-7)			X	< 0.010	< 40.9						mg/l	mg/d			
17B. 4-Chlorophenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 40.9						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 40.9						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (63-70-3)			X	< 0.010	< 40.9						mg/l	mg/d			
20B. 1,2-Dichlorobenzene (95-50-1)			X	< 0.010	< 40.9						mg/l	mg/d			
21B. 1,3-Dichlorobenzene (541-73-1)			X	< 0.010	< 40.9						mg/l	mg/d			

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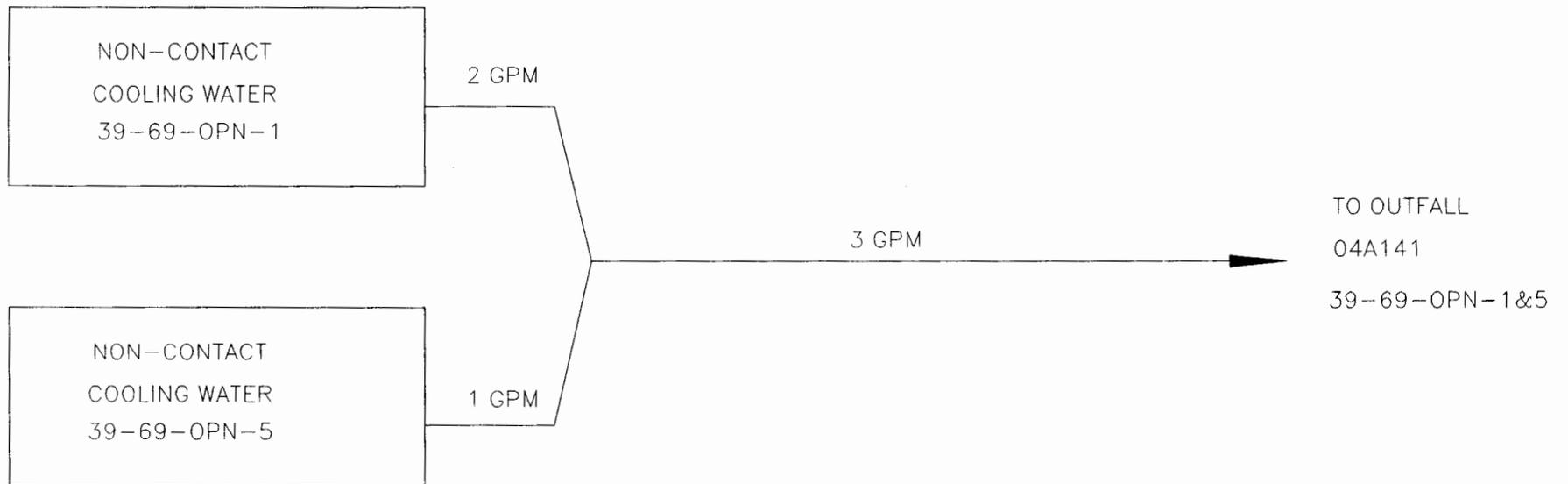
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. DE-RIEVED PRESENT	c. RE-ASSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	3. 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 <sup>1</sup> )															
22B. 1,4-Dichlorobenzene (108-46-7)			X	< 0.010	< 40.9						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 40.9						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 40.9						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 40.9						mg/l	mg/d			
26B. DI-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 40.9						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 40.9						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 40.9						mg/l	mg/d			
29B. DI-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 40.9						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 40.9						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 40.9						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 40.9						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 40.9						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 40.9						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 40.9						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 40.9						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 40.9						mg/l	mg/d			
38B. Isophorone (78-69-1)			X	< 0.010	< 40.9						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 40.9						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 40.9						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 40.9						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 40.9						mg/l	mg/d			

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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	
<b>GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued)</b>															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.1						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.1						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.1						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.1						mg/l	mg/d			
<b>GC/MS FRACTION - PESTICIDES</b>															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.7						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.2						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 1.1						ug/l	ug/d			
4P. γ-BHC (68-89-9)			X	< 0.03	< 0.3						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 1.3						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 2.7						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.7						ug/l	ug/d			
8P. 4,4'-DDE (72-65-9)			X	< 0.08	< 0.9						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 0.9						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.9						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.5						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.9						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 1.0						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.7						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 6.8						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 3.3						ug/l	mg/d			

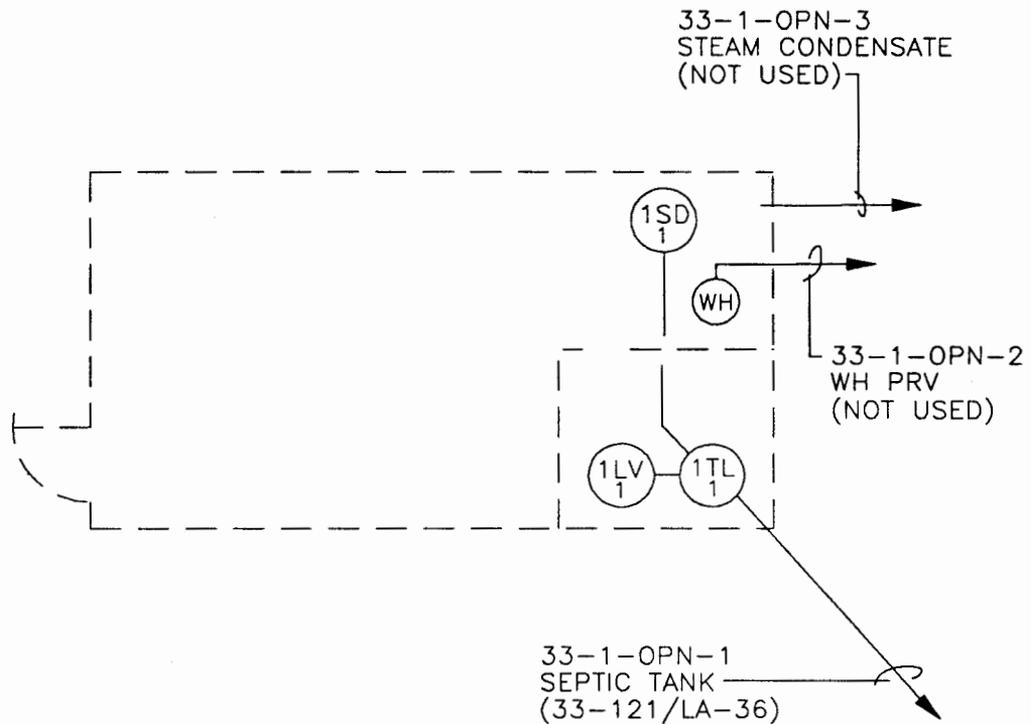
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	A. TESTING REQUIRED	B. BELIEVED PRESENT	C. BELIEVED ABSENT	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)		C. LONG TERM AVG. VALUE (if available)		D. NO. OF ANALYSES	a. CONCENTRATION	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	
<b>GC/MS FRACTION - PESTICIDES (continued)</b>															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.4						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 7.4						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 7.4						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	< 7.4						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 27.3						ug/l	mg/d			

SCHEMATIC OF WATER FLOW  
OUTFALL 04A141



## DYE STUDY INFORMATION

BUILDING NUMBER	DRAIN NUMBER	DID DYE REACH EXPECTED DESTINATION?	COMMENTS
33-19	1FD5	YES	OPN-1 SEPTIC TANK
33-19	1SD1	YES	OPN-1 SEPTIC TANK
33-19	1SD5	YES	OPN-1 SEPTIC TANK
33-19	1TL1	YES	OPN-1 SEPTIC TANK
33-19	1TL2	YES	OPN-1 SEPTIC TANK
33-39	1SD1	YES	OPN-1 SEPTIC SYSTEM
33-39	1TL1	YES	OPN-1 SEPTIC SYSTEM
33-113	1SD1	YES	OPN-2 SEPTIC TANK
33-113	1TL1	YES	OPN-2 SEPTIC TANK
33-114	1SD2	YES	OPN-1 DAYLIGHT
33-114	1SD3	YES	OPN-1 DAYLIGHT
33-114	1SD6	YES	OPN-1 DAYLIGHT
33-114	1SD11	YES	OPN-1 DAYLIGHT
33-114	1SD12	YES	OPN-3 DAYLIGHT
33-114	1TL1	YES	OPN-2 SEPTIC SYSTEM
33-129	1FD1	NO	VERIFY OR PLUG
33-178	1TL1	YES	OPN-1 SEPTIC TANK
39-2	1SD5	YES	OPN-1 LEACH PIT
39-2	1SP1	YES	OPN-3 DAYLIGHT
39-2	1SD7	YES	OPN-2 SEPTIC TANK
39-62	1SD1	YES	OPN-2 SEPTIC TANK
39-89	1SD1	NO	APPARENTLY TO SEPTIC TANK. VERIFY
39-98	1LV1	YES	OPN-4 SEPTIC TANK
39-98	1LV2	YES	OPN-4 SEPTIC TANK
39-98	1SD1	YES	OPN-4 SEPTIC TANK
39-100	1SD1	YES	OPN-1 SEPTIC TANK
39-103	1SD1	YES	OPN-1 SEPTIC TANK
39-107	1TL1	YES	OPN-1 SEPTIC TANK
39-107	1TL2	YES	OPN-1 SEPTIC TANK
39-111	1TL1	YES	OPN-4 SEPTIC TANK
39-111	1TL1	YES	OPN-4 SEPTIC TANK
49-113	1SD1	YES	OPN-1 SEPTIC TANK
49-115	1SD1	YES	OPN-1 SEPTIC TANK
49-115	1LV1	YES	OPN-1 SEPTIC TANK
69-1	1TL1	YES	OPN-1 SEPTIC TANK
69-2	1TL1	YES	OPN-1 SEPTIC TANK
69-8	1FD1	YES	OPN-1 DAYLIGHT



TA-33-1

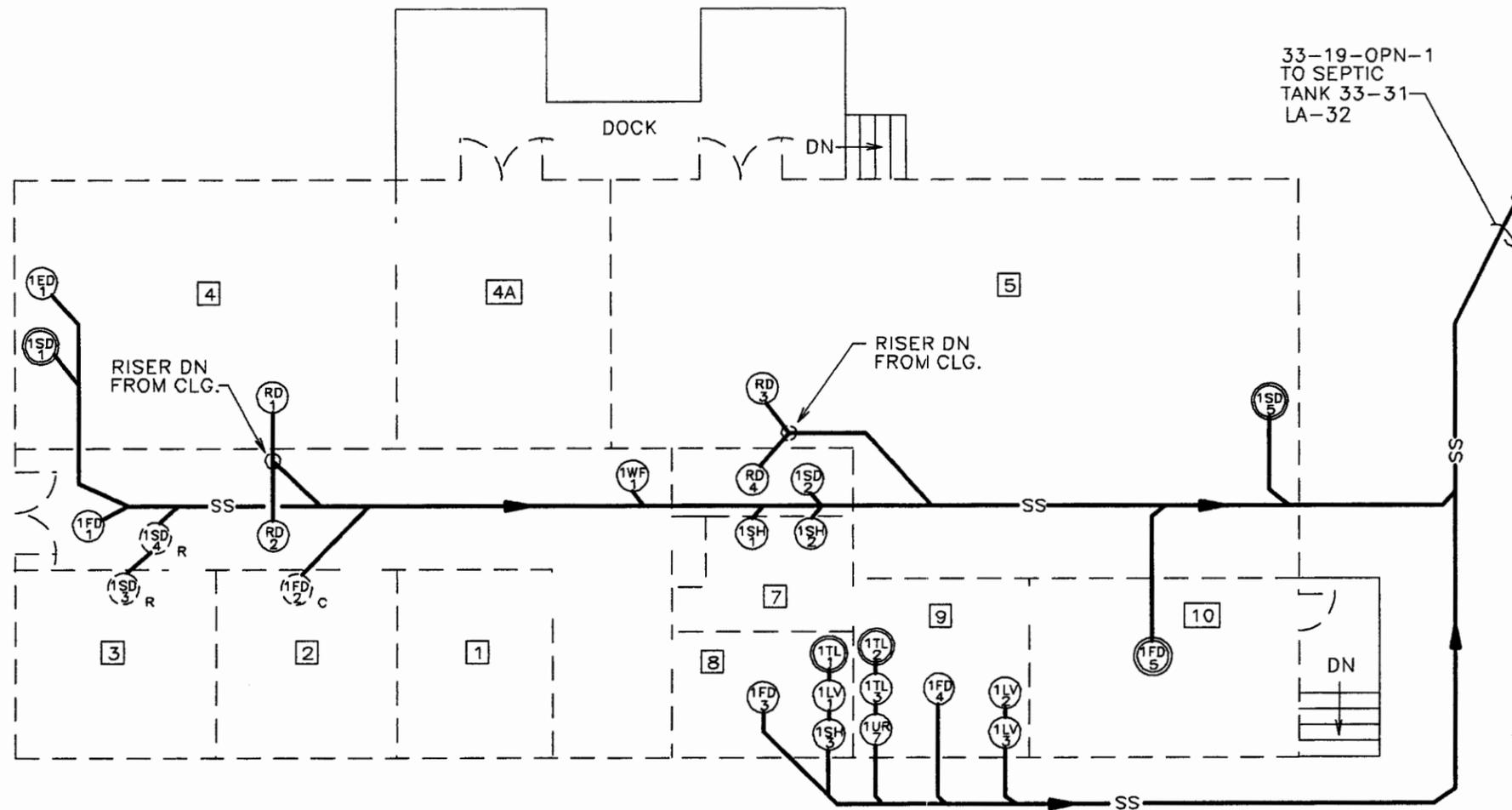
- NOT TO SCALE -

NOTE:

WATER SOURCE IS DISCONNECTED. BUILDING IS ABANDONED & SCHEDULED FOR DEMOLITION. NO DYE TESTING.

SYMBOL LEGEND	
LV	LAVATORY
PRV	PRESS. RELIEF VALVE
SD	SINK DRAIN
TL	TOILET
WH	WATER HEATER

SANTA FE ENGINEERING, LTD.			
TA-33-1 DRAIN SCHEMATIC		DRAWN	G.S.
		DESIGN	S.C.D.
		CHECKED	S.C.D.
		DATE	5-26-93
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 1	
		SHEET	OF



**LEGEND**

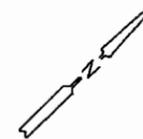
- FD - FLOOR DRAIN
- LV - LAVATORY
- RD - ROOF DRAIN
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- WF - WATER FOUNTAIN
- <sub>C</sub> - COVERED
- <sub>R</sub> - REMOVED
- - DYE TESTED DRAIN

**NOTE:**

THIS SCHEMATIC BASED ON LANL DRAWINGS C-11526,11527,11584,11585 & R-3022 SITE VISIT & DYE TESTING.

**TA-33-19**

- NOT TO SCALE -

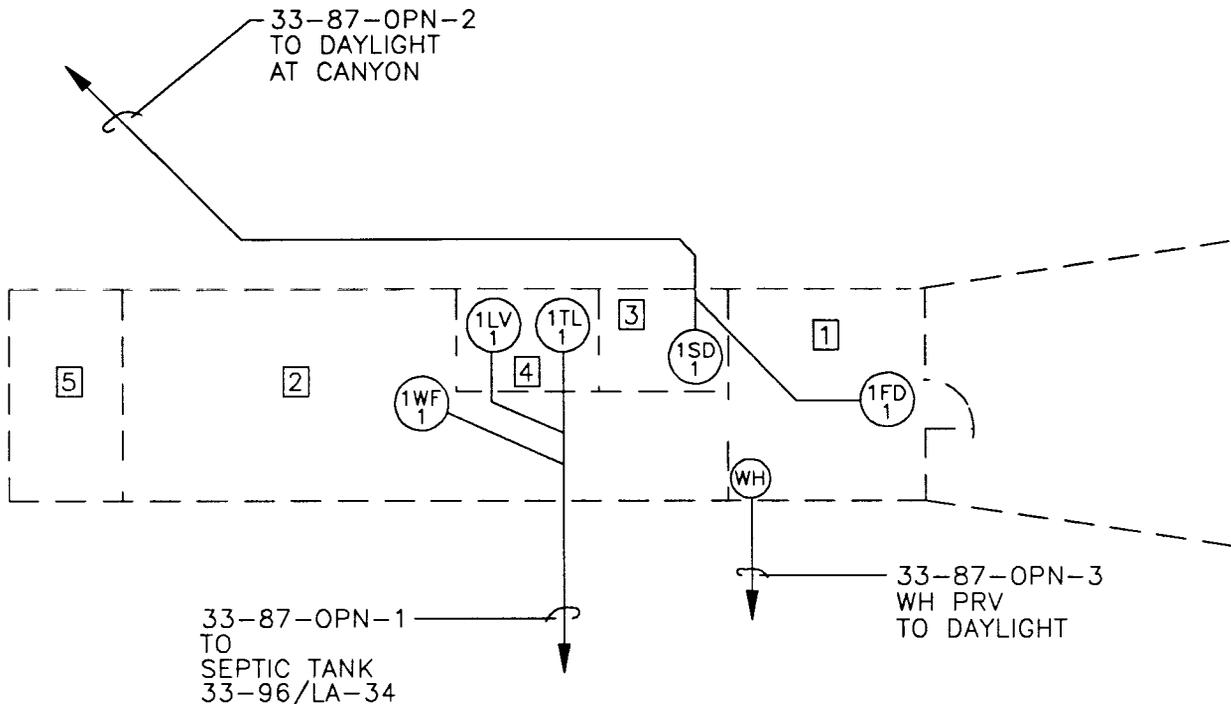


SANTA FE ENGINEERING, LTD.

**TA-33-19 BUILDING  
DRAIN SCHEMATIC**

DRAWN	G.S.
DESIGN	S.C.D.
CHECKED	S.C.D.
DATE	6-9-93

SUBMITTED	RECOMMENDED	APPROVED	SHEET	
Los Alamos			Los Alamos National Laboratory	OF
Los Alamos, New Mexico 87545			Los Alamos, New Mexico 87545	3
CLASSIFICATION	REVIEWER	DATE		
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.	
REQUESTING GROUP	11056-26	FIGURE 2		
EM-8				

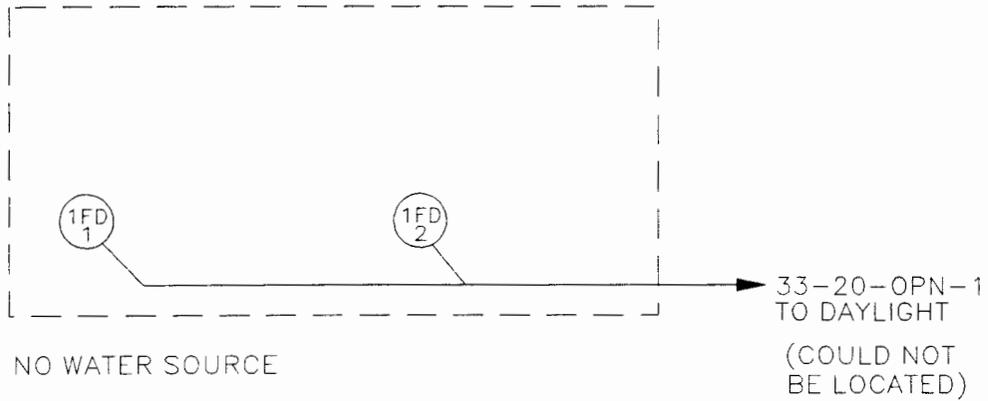


TA-33-87  
- NOT TO SCALE -

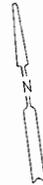


SYMBOL LEGEND	
FD	FLOOR DRAIN
LV	LAVATORY
SD	SINK DRAIN
TL	TOILET
WF	WATER FOUNTAIN
WH	WATER HEATER

SANTA FE ENGINEERING, LTD.					
TA-33-87 DRAIN SCHEMATIC			DRAWN	G.S.	
			DESIGN	S.C.D.	
			CHECKED	S.C.D.	
			DATE	5-26-93	
SUBMITTED		RECOMMENDED		APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545			SHEET	OF	
			CLASSIFICATION		
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 10			



TA-33-20  
- NOT TO SCALE -

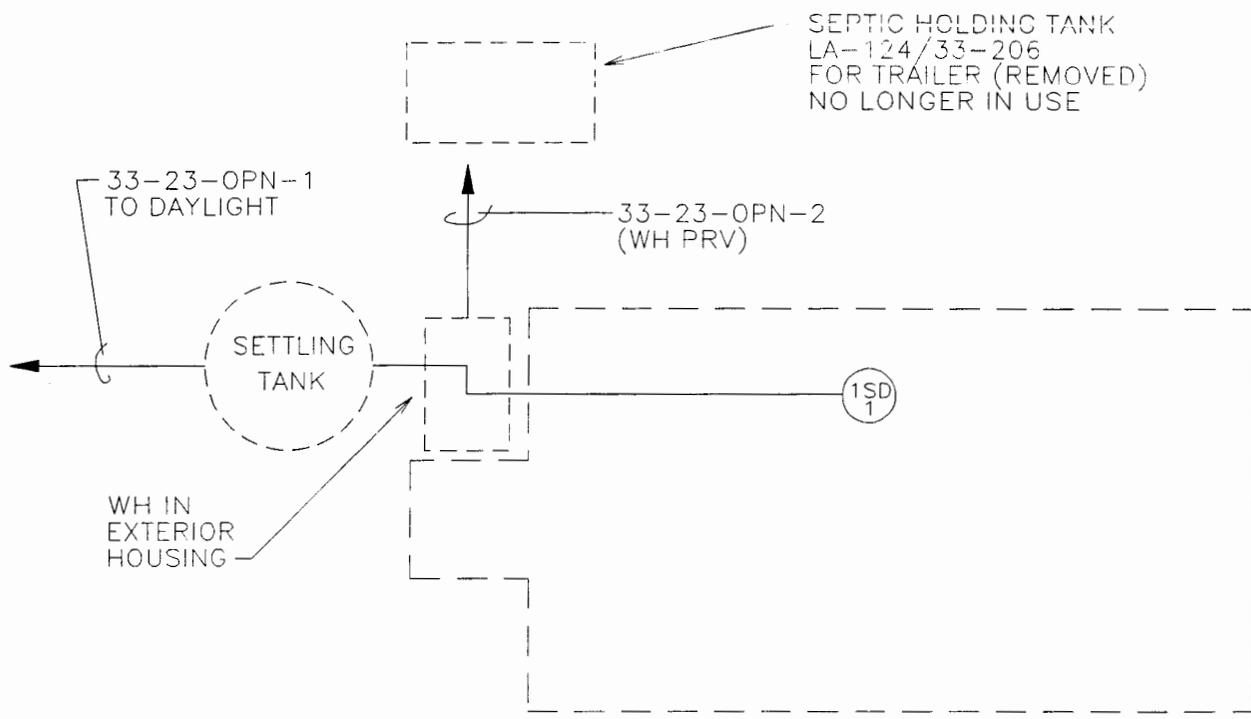


SYMBOL LEGEND	
FD	FLOOR DRAIN

NOTE:

SCHEMATIC BASED ON DRAWINGS  
C-11538, C-11588 & R-3023  
AND SITE VISIT

SANTA FE ENGINEERING, LTD.					
TA-33-20 DRAIN SCHEMATIC				DRAWN	G.S.
				DESIGN	S.C.D.
				CHECKED	S.C.D.
				DATE	6-21-93
SUBMITTED		RECOMMENDED		APPROVED	
<b>Los Alamos</b>			Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET OF
CLASSIFICATION		REVIEWER		DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 3			



TA-33-23  
 - NOT TO SCALE -



SYMBOL LEGEND	
PRV	PRESSURE RELIEF VALVE
SD	SINK DRAIN
WH	WATER HEATER

**NOTE:**

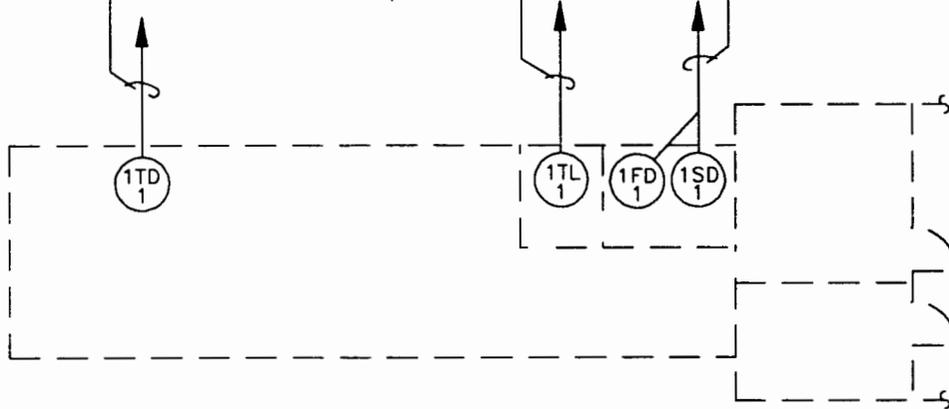
SCHEMATIC BASED ON DRAWINGS  
 C-11549, C-11593 & R-3026  
 AND SITE VISIT

SANTA FE ENGINEERING, LTD.				
TA-33-23 DRAIN SCHEMATIC			DRAWN	G.S.
			DESIGN	S.C.D.
			CHECKED	S.C.D.
			DATE	6-21-93
SUBMITTED		RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET OF
CLASSIFICATION	REVIEWER	DATE		
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.
REQUESTING GROUP	11056-26	FIGURE 4		
EM-8				

33-24-OPN-3  
TO DRY WELL  
BELOW DRAIN

33-24-OPN-1  
TO SEPTIC TANK  
33-33/LA-33

33-24-OPN-2  
TO DAYLIGHT  
AT CANYON



TA-33-24  
- NOT TO SCALE -

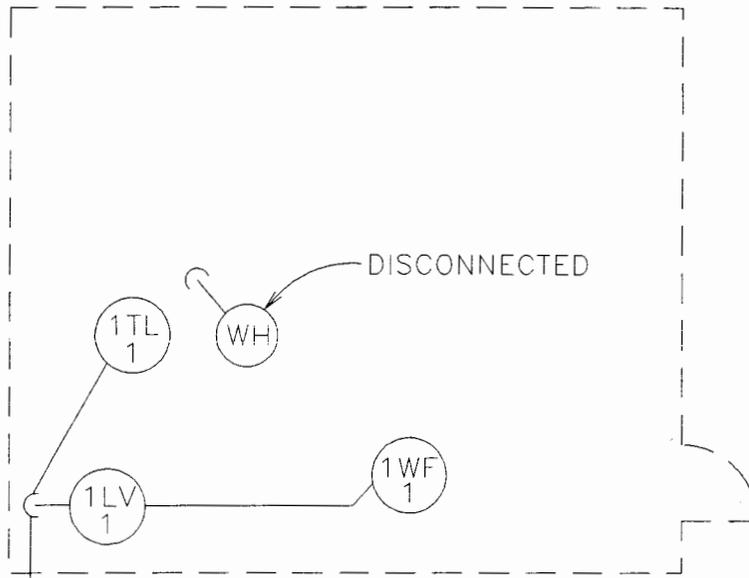


SYMBOL LEGEND	
FD	FLOOR DRAIN
SD	SINK DRAIN
TD	TRENCH DRAIN
TL	TOILET

**NOTE:**

THIS BUILDING IS CONDEMNED  
AND IS NOT IN USE.  
CONFINED SPACE ENTRY PERMIT  
REQ'D FOR ACCESS.

SANTA FE ENGINEERING, LTD.			
TA-33-24 DRAIN SCHEMATIC		DRAWN	G.S.
		DESIGN	S.C.D.
		CHECKED	S.C.D.
		DATE	5-26-93
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 5	



ABANDONED  
GUARD  
STATION

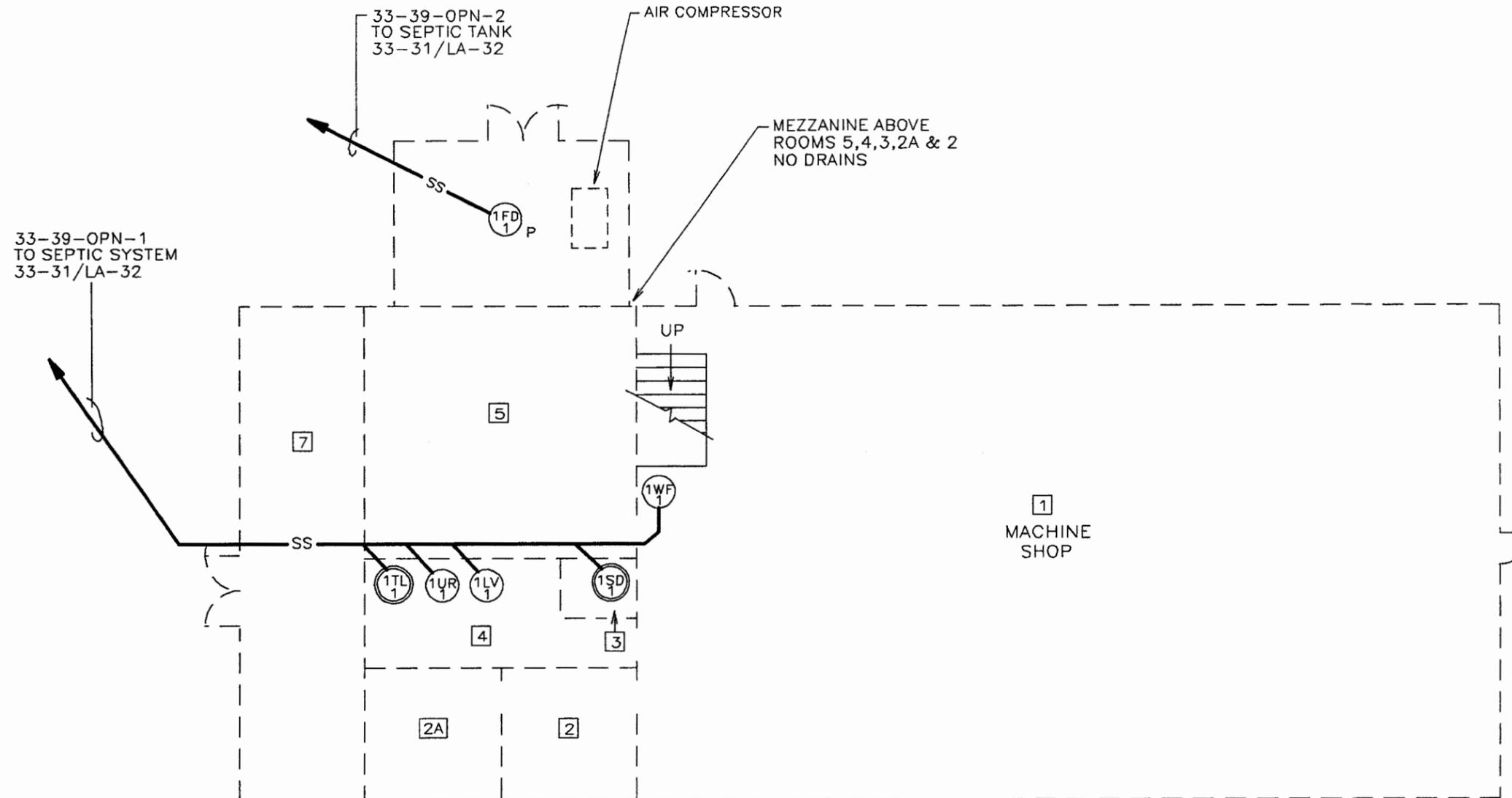
33-27-OPN-1  
TO SEPTIC TANK  
33-31/LA-32

TA-33-27  
-- NOT TO SCALE --



SYMBOL LEGEND	
LV	LAVATORY
TL	TOILET
WF	WATER FOUNTAIN
WH	WATER HEATER

SANTA FE ENGINEERING, LTD.					
TA-33-27 DRAIN SCHEMATIC			DRAWN	G.S.	
			DESIGN	S.C.D.	
			CHECKED	S.C.D.	
			DATE	5-26-93	
SUBMITTED		RECOMMENDED		APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545			SHEET	OF	
			CLASSIFICATION		
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 6			



**TA-33-39**

- NOT TO SCALE -



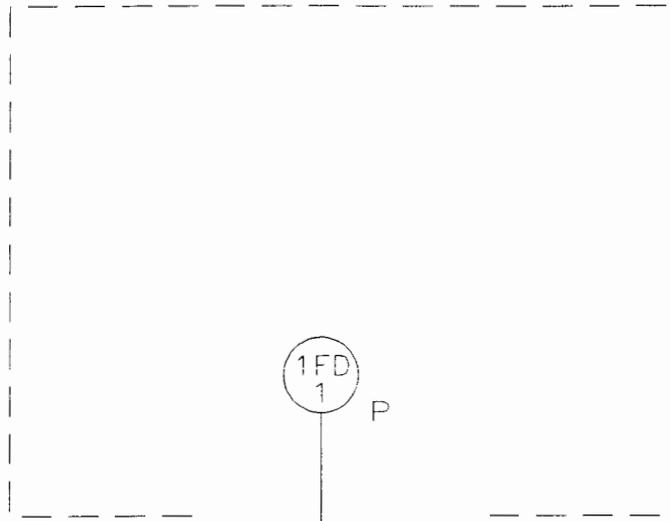
**LEGEND**

- FD - FLOOR DRAIN
- LV - LAVATORY
- RD - ROOF DRAIN
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- WF - WATER FOUNTAIN
-  DYE TESTED DRAIN

**NOTE:**

SUBSCRIPT "P" INDICATES A PLUGGED DRAIN

SANTA FE ENGINEERING, LTD.			
<b>TA-33-39 BUILDING DRAIN SCHEMATIC</b>	DRAWN	G.S.	
	DESIGN	S.C.D.	
	CHECKED	S.C.D.	
	DATE	6-10-93	
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP <b>EM-8</b>	<b>11056-26</b>	<b>FIGURE 7</b>	



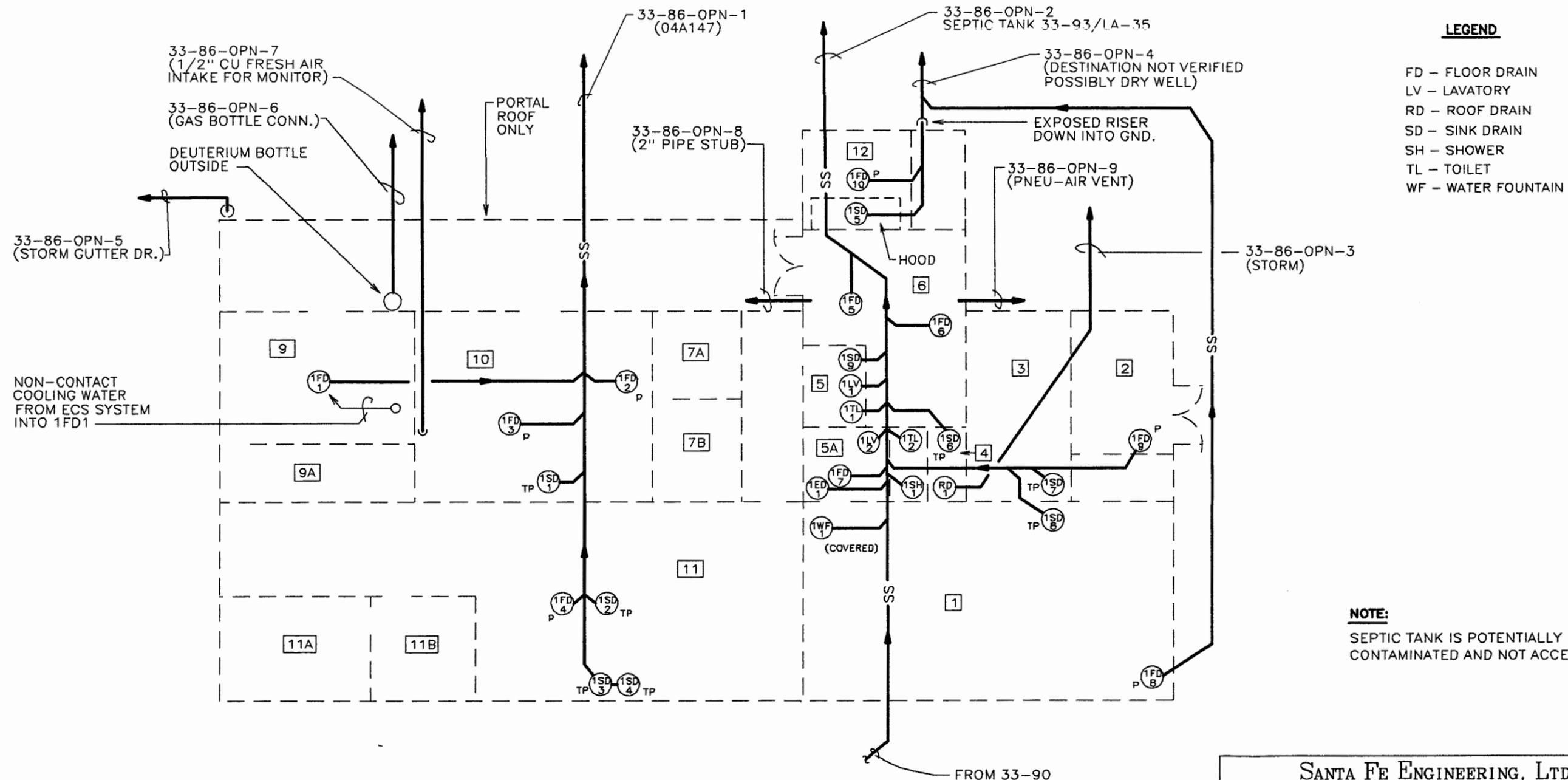
33-40-OPN-1  
 POSSIBLY TO 33-31/LA-32  
 SEPTIC SYSTEM,  
 SEEPAGE PIT OR  
 CANYON

TA-33-40  
 - NOT TO SCALE -



SYMBOL LEGEND	
FD	FLOOR DRAIN
"P"	PLUGGED

SANTA FE ENGINEERING, LTD.				
TA-33-40 DRAIN SCHEMATIC			DRAWN	G.S.
			DESIGN	S.C.D.
			CHECKED	S.C.D.
			DATE	5-26-93
SUBMITTED		RECOMMENDED		APPROVED
<b>Los Alamos</b>			Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
CLASSIFICATION		REVIEWER		DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 8		



**NOTES:**

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
C-3303, C-3316, C-3358,  
C-3359, C-21399 & R-3035  
AND SITE VISIT

NOTE 2: TP INDICATES TEMPORARY METAL  
PLATE COVERS ON DRAINS  
P INDICATES PERMANENTLY  
PLUGGED

NOTE 3: ENTIRE FACILITY IS CONSIDERED  
TO BE CONTROLLED AREA.

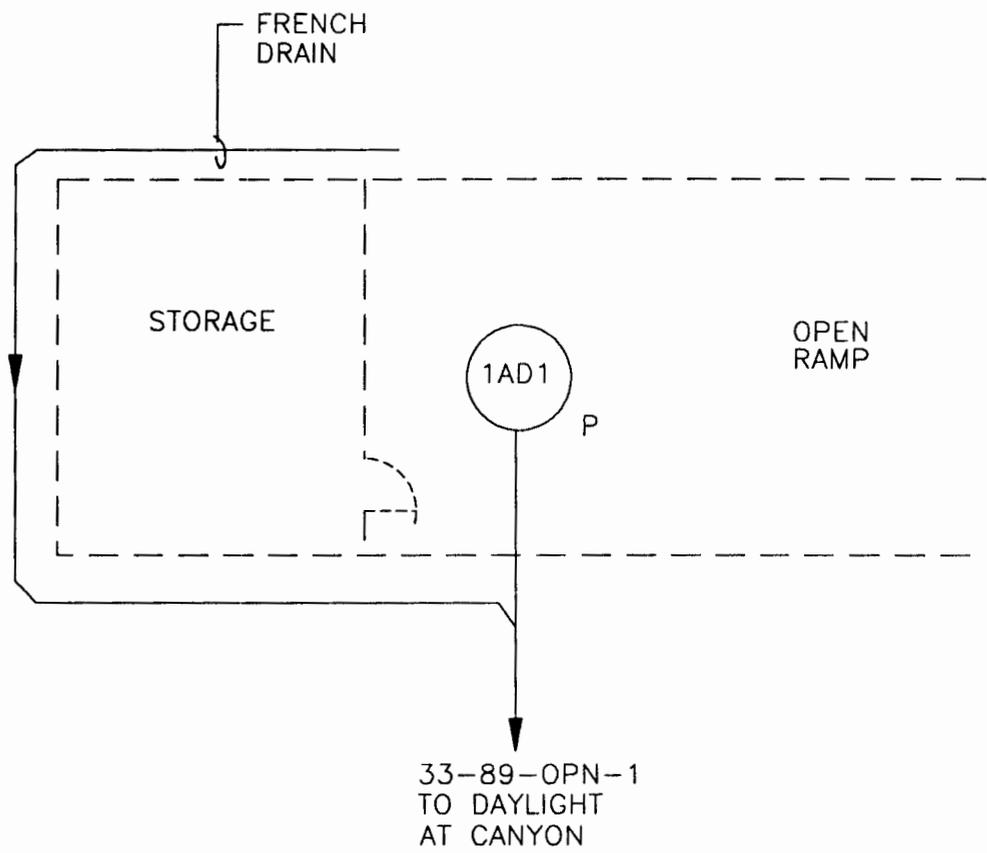
**TA-33-86**  
- NOT TO SCALE -



- LEGEND**
- FD - FLOOR DRAIN
  - LV - LAVATORY
  - RD - ROOF DRAIN
  - SD - SINK DRAIN
  - SH - SHOWER
  - TL - TOILET
  - WF - WATER FOUNTAIN

**NOTE:**  
SEPTIC TANK IS POTENTIALLY  
CONTAMINATED AND NOT ACCESSIBLE.

SANTA FE ENGINEERING, LTD.				
<b>TA 33-86 BUILDING DRAIN SCHEMATIC</b>		DRAWN	G.S.	
		DESIGN	S.C.D.	
		CHECKED	S.C.D.	
		DATE	1/14/92	
SUBMITTED	RECOMMENDED	APPROVED		
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET	OF
CLASSIFICATION	REVIEWER	DATE		
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 9		



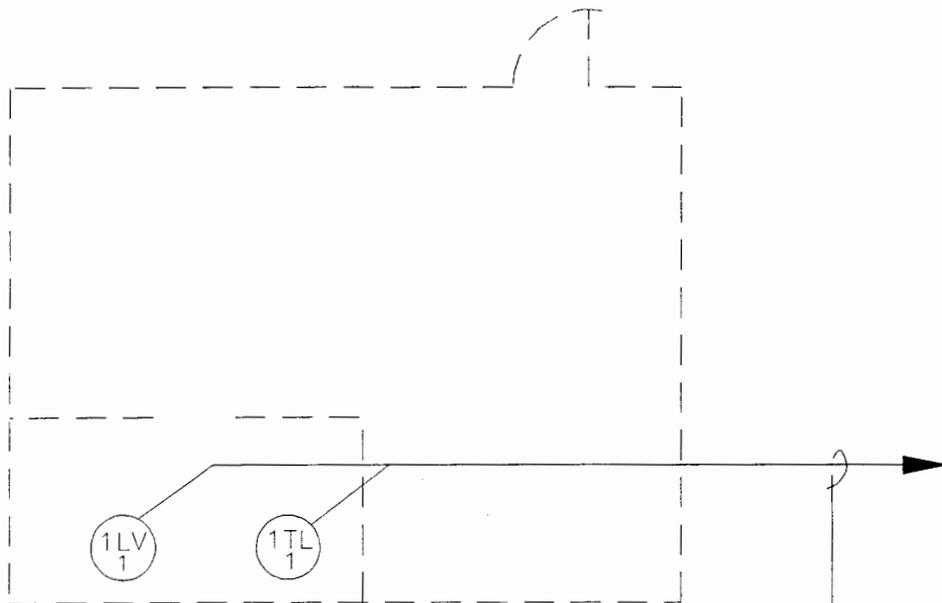
LEGEND

"P" - PLUGGED

NOTES:

1. BUILDING IS ABANDONED
2. AREA DRAIN IS COMPLETELY COVERED WITH DIRT & VEGETATION
3. BASED ON LANL DRAWING C-3330

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 33-89 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		RELEASED	
		DATE	11/5/91
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	
REQUESTING GROUP EM-8	11056-26	FIGURE 11	
		REV.	



33-90-OPN-1  
 TO SEPTIC SYSTEM  
 33-93/LA-32  
 VIA BLDG. 33-86

TA-33-90  
 - NOT TO SCALE -



NOTE:

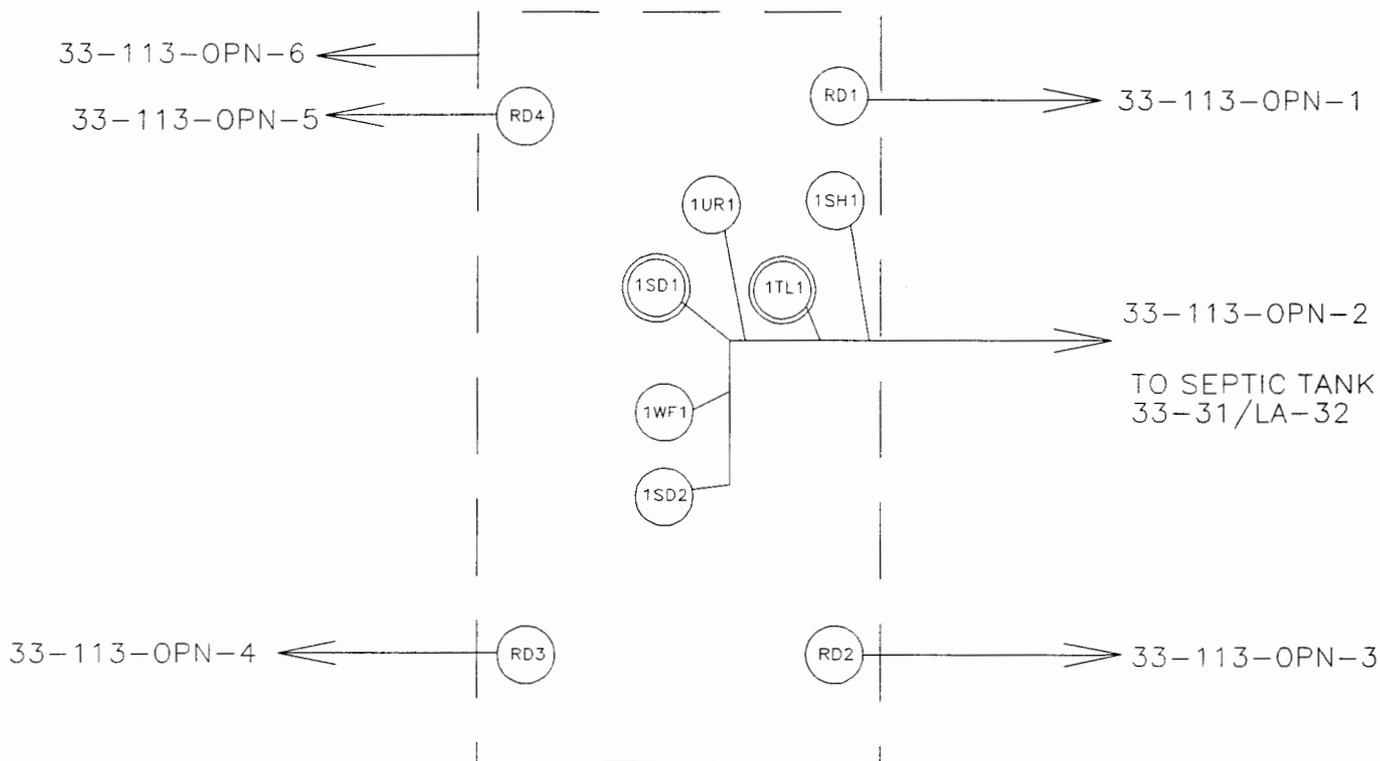
SEPTIC TANK IS POSSIBLY  
 CONTAMINATED AND ACCESS  
 IS NOT ALLOWED.

SYMBOL LEGEND	
LV	LAVATORY
TL	TOILET

SANTA FE ENGINEERING, LTD.			
TA-33-90 DRAIN SCHEMATIC		DRAWN	G.S.
		DESIGN	S.C.D.
		CHECKED	S.C.D.
		DATE	5-26-93
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-26	FIGURE 12	
EM-8			

NOTES

NOTE 1: SCHEMATIC BASED ON  
SITE VISIT



LEGEND

RD – ROOF DRAIN

SD – SINK DRAIN

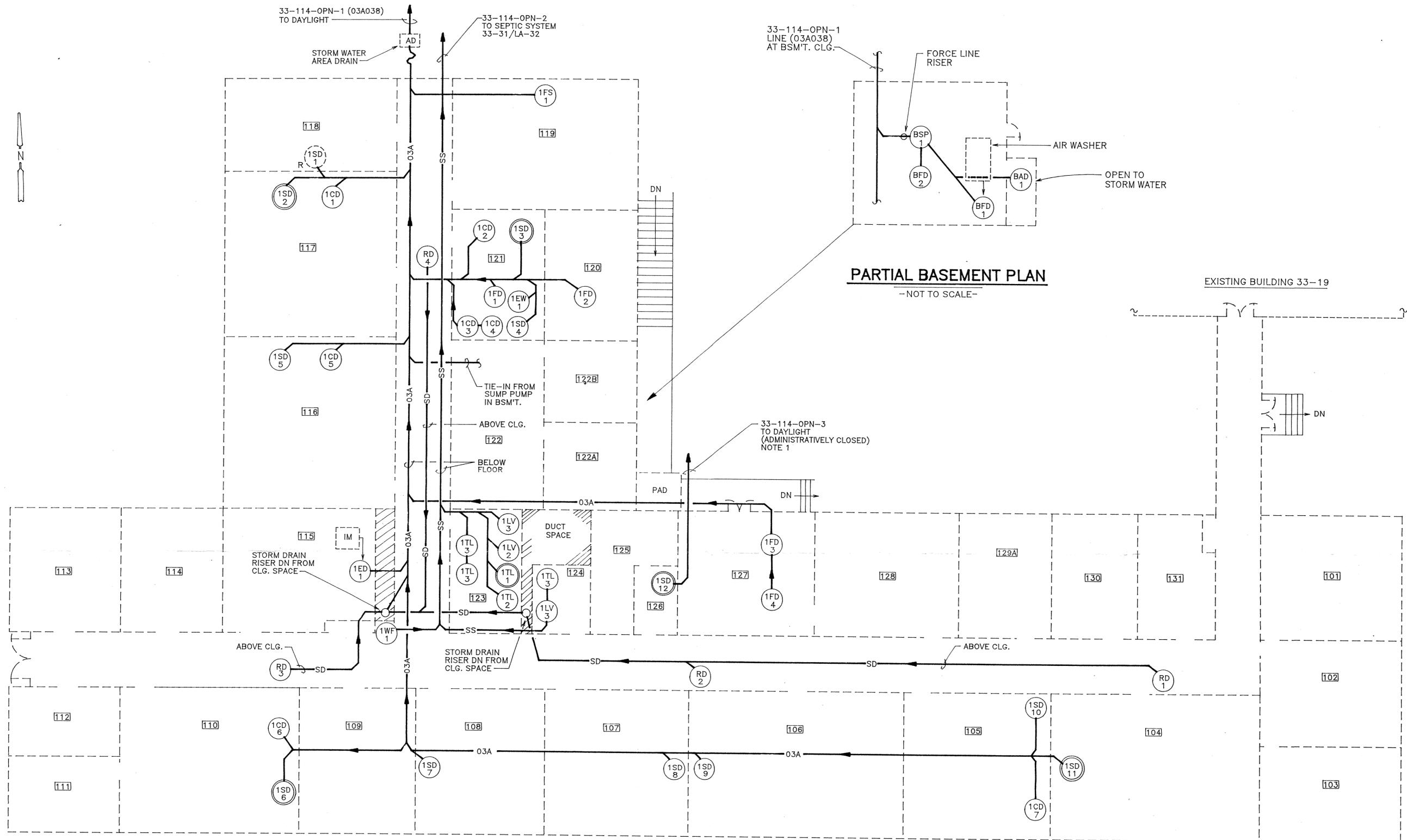
SH – SHOWER

TL – TOILET

UR – URINAL

WF – WATER FOUNTAIN

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 33-113 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	SCD
		DATE	12/19/91
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 13	



**PARTIAL BASEMENT PLAN**  
-NOT TO SCALE-

EXISTING BUILDING 33-19

SYMBOL LEGEND	
AD	AREA DRAIN
CD	CUP DRAIN
ED	EQUIPMENT DRAIN
EW	EYE WASH
FD	FLOOR DRAIN
IM	ICE MAKER
LV	LAVATORY
RD	ROOF DRAIN
SD	SINK DRAIN
SP	SUMP PUMP
TL	TOILET
UR	URINAL
WF	WATER FOUNTAIN
	DYE TESTED DRAIN
	REMOVED

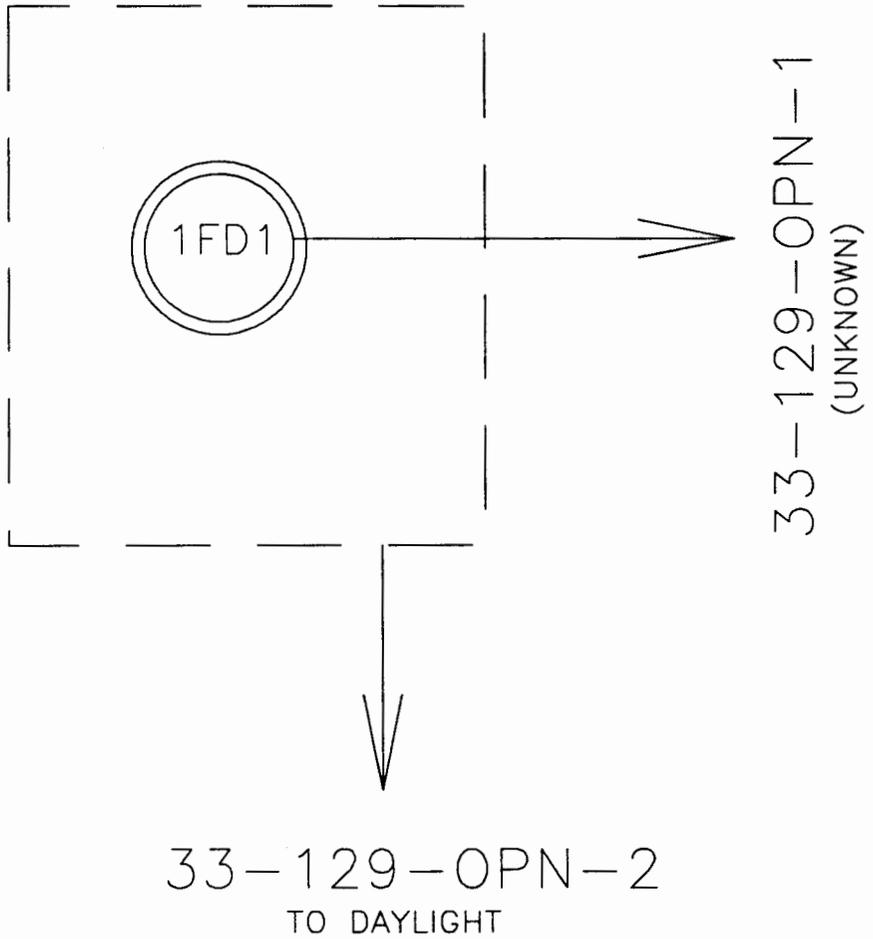
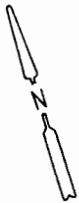
**TA-33-114 1ST.FLOOR**  
-NOT TO SCALE-

**NOTES:**

1. PHOTO LAB (RM. 126) HAS NOT YET BEEN USED AND IS ADMINISTRATIVELY CLOSED.
2. NO PORTION OF THIS BUILDING IS A "CONTROLLED AREA".

15186

<b>SANTA FE ENGINEERING, LTD.</b>			
<b>TA-33-114 FIRST FLOOR &amp; PARTIAL BASEMENT PLAN DRAIN SCHEMATIC</b>			
DESIGN	S.C.D.	DRAWN	G.S.
CHECKED	S.C.D.	DATE	5-31-93
SUBMITTED		RECOMMENDED	APPROVED
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	OF
REQUESTING GROUP	11056-26	FIGURE 14	REV.
EM-8			



LEGEND

FD - FLOOR DRAIN

NOTES

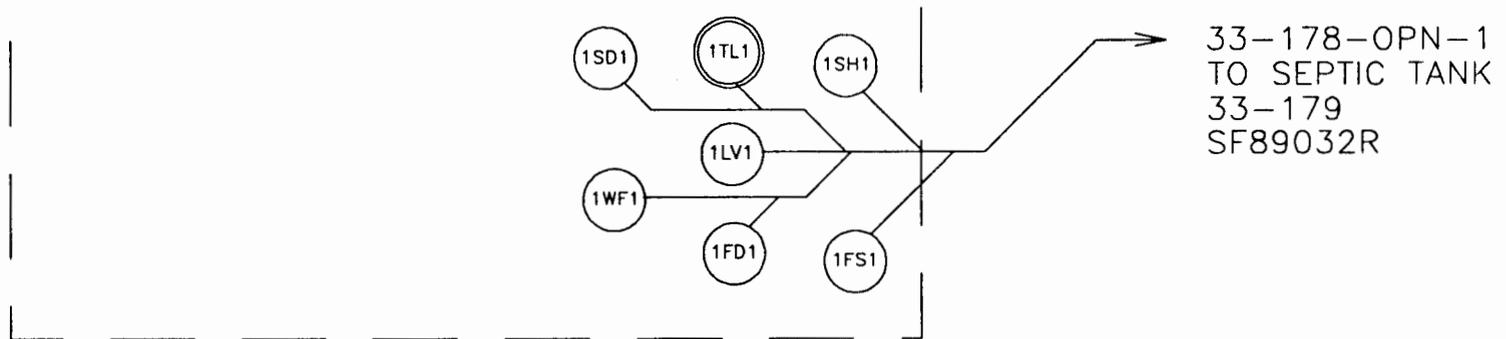
NOTE 1: SCHEMATIC BASED  
ON SITE VISIT

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 33-129 BUILDING DRAIN SUMMARY		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	12/23/91
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	OF
		DATE	
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 15	

33-178-OPN-3



33-178-OPN-2



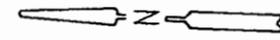
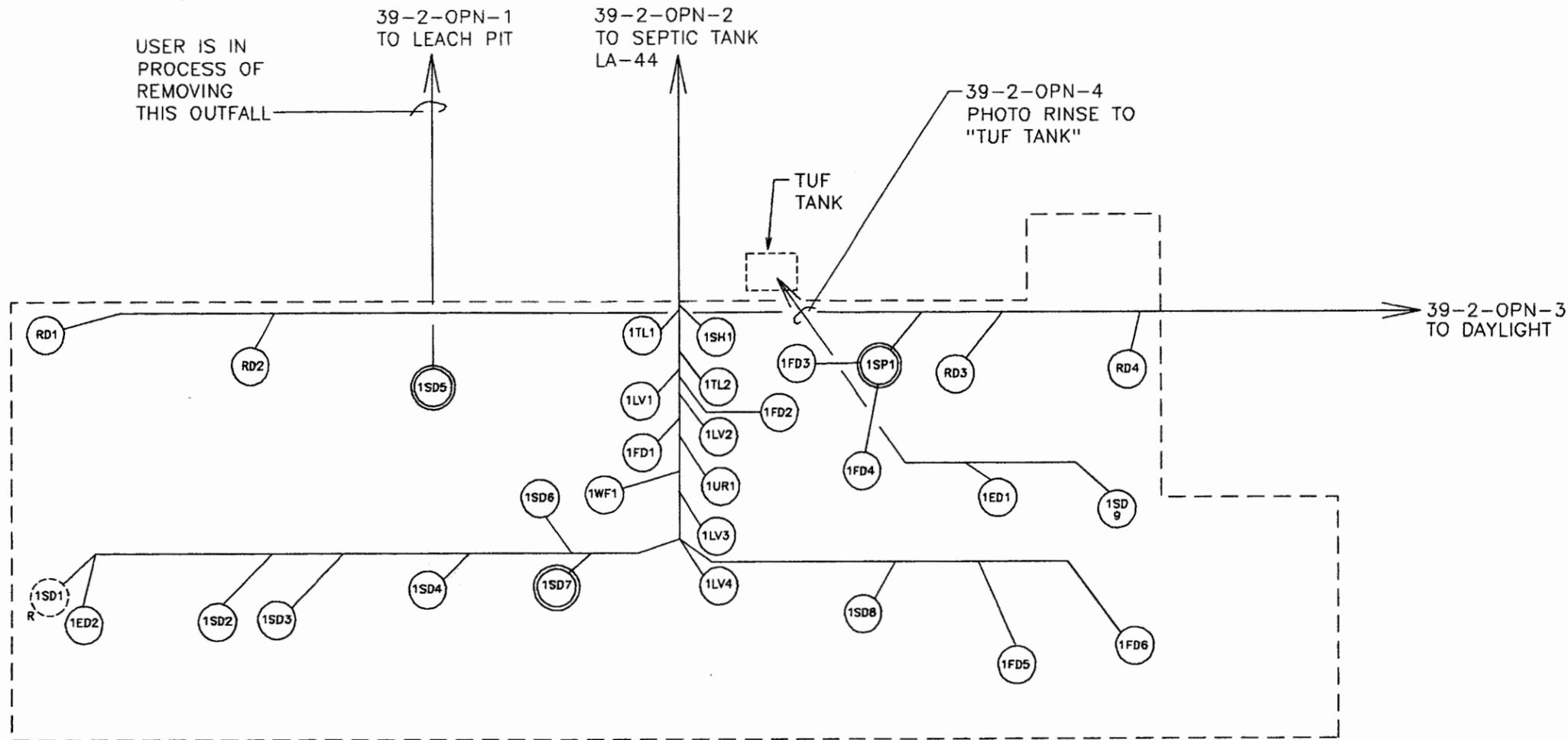
NOTES  
NOTE 1: SCHEMATIC BASED SITE VISIT

LEGEND

- FD - FLOOR DRAIN
- FS - FLOOR SINK
- LV - LAVATORY
- RD - ROOF DRAIN
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- WF - WATER FOUNTAIN
-  DYE TESTED DRAIN



<b>SANTA FE ENGINEERING, LTD.</b>			
TA 33-178 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	12/23/91
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 16	



**NOTES**

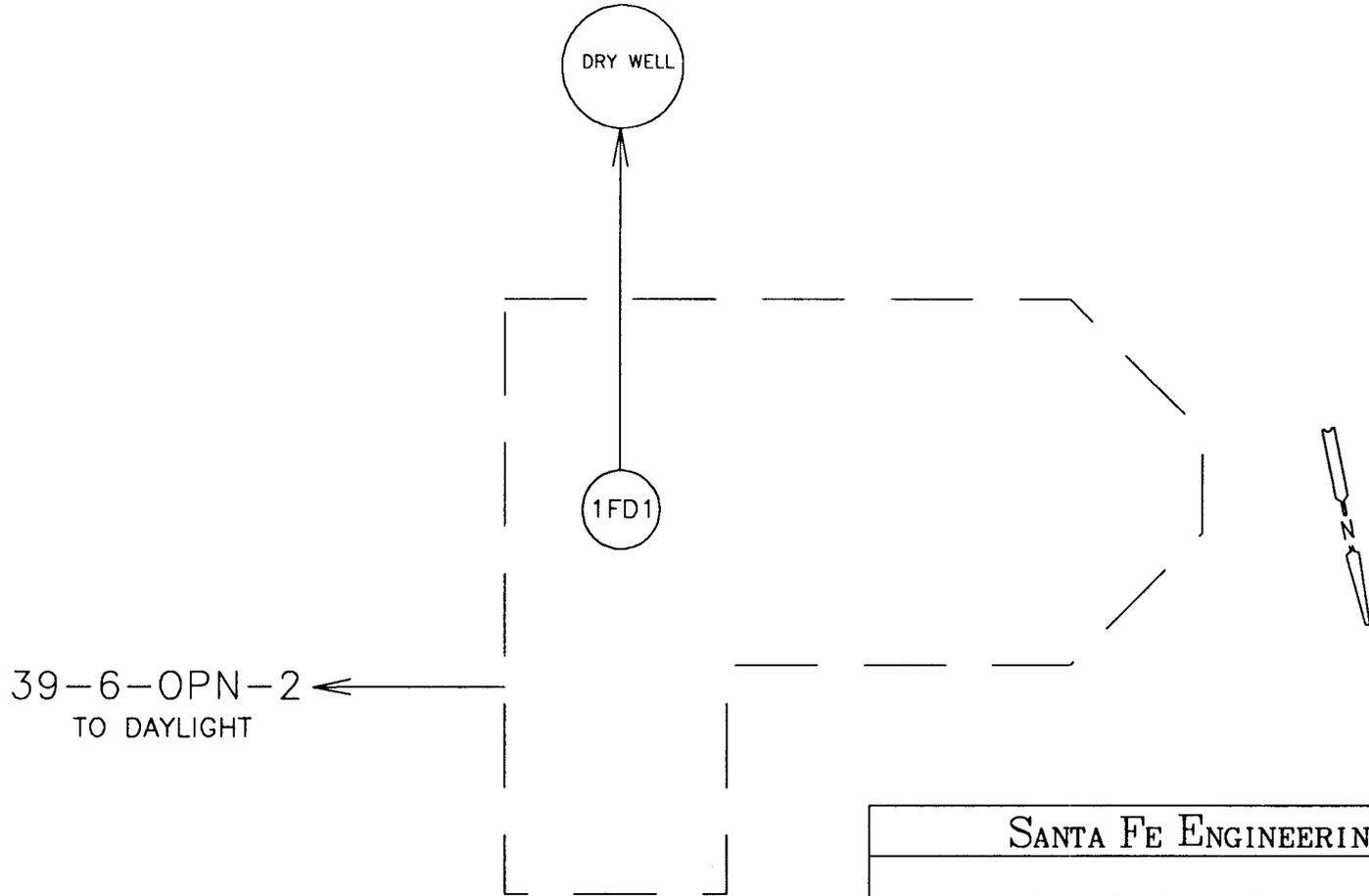
NOTE 1: SCHEMATIC BASED DRAWING  
 C-11083, C-11089, C-11090,  
 C-11099, C-11100, C-42895 SHTS 1 & 7,  
 R-3103 AND SITE VISIT

SYMBOL LEGEND	
ED	EQUIPMENT DRAIN
FD	FLOOR DRAIN
LV	LAVATORY
RD	ROOF DRAIN
SD	SINK DRAIN
SP	SUMP PUMP
TL	TOILET
UR	URINAL

-  DYE TESTED DRAIN
-  REMOVED

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 39-2 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	SCD
		CHECKED	LBA
		DATE	6/30/93
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	OF
REQUESTING GROUP	11056-26	FIGURE 17	REV.
EM-8			

39-6-OPN-1



39-6-OPN-2  
TO DAYLIGHT

LEGEND

FD - FLOOR DRAIN

NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-11124 & R-3107 AND SITE VISIT

NOTE 2: NO WATER SOURCE

SANTA FE ENGINEERING, LTD.

TA 39-6 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	12/23/91

SUBMITTED	RECOMMENDED	APPROVED
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Los Alamos, New Mexico 87545

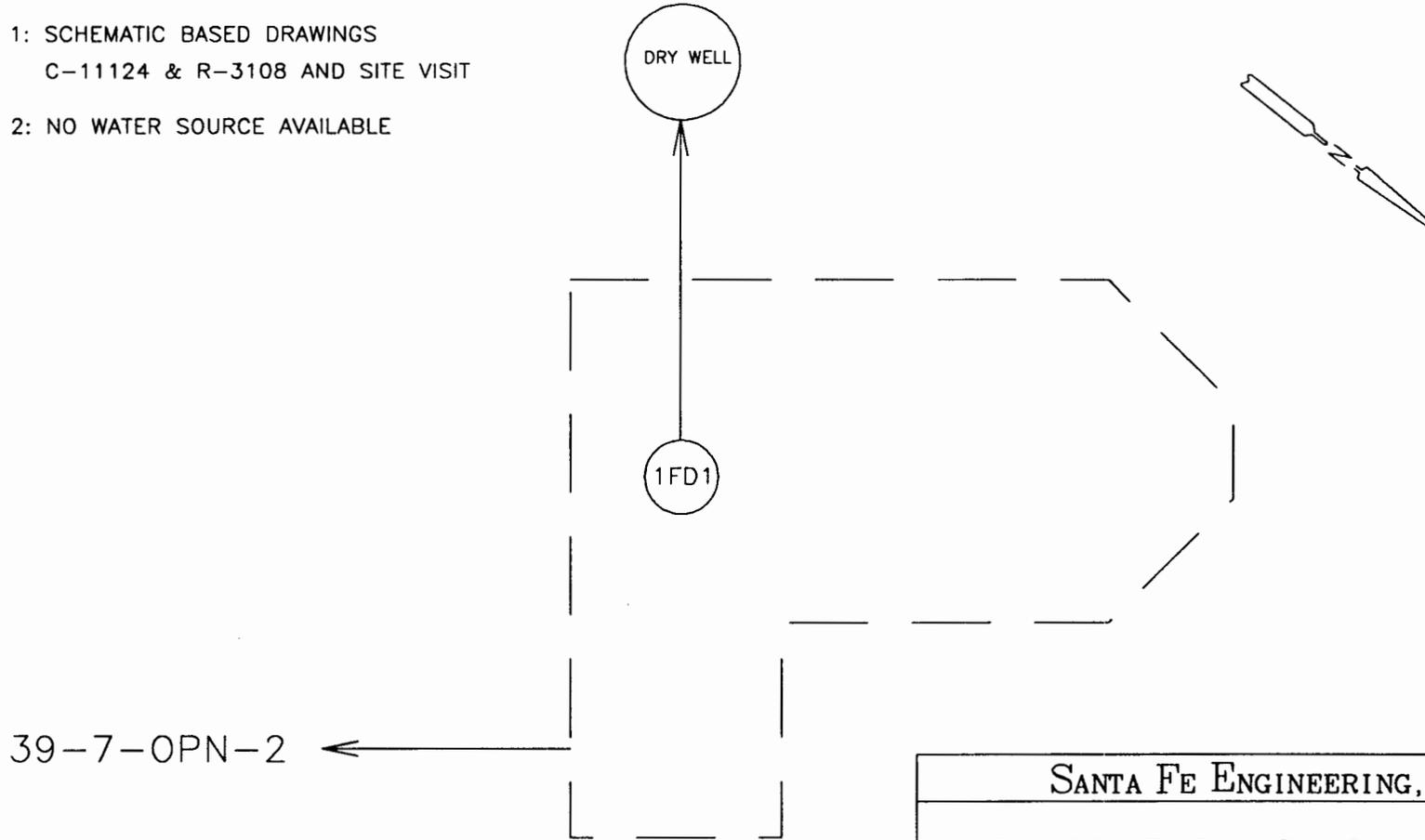
SHEET	OF
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CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.
REQUESTING GROUP	11056-26	FIGURE 18
EM-8		
		REV.

39-7-OPN-1

NOTES

- NOTE 1: SCHEMATIC BASED DRAWINGS  
C-11124 & R-3108 AND SITE VISIT
- NOTE 2: NO WATER SOURCE AVAILABLE



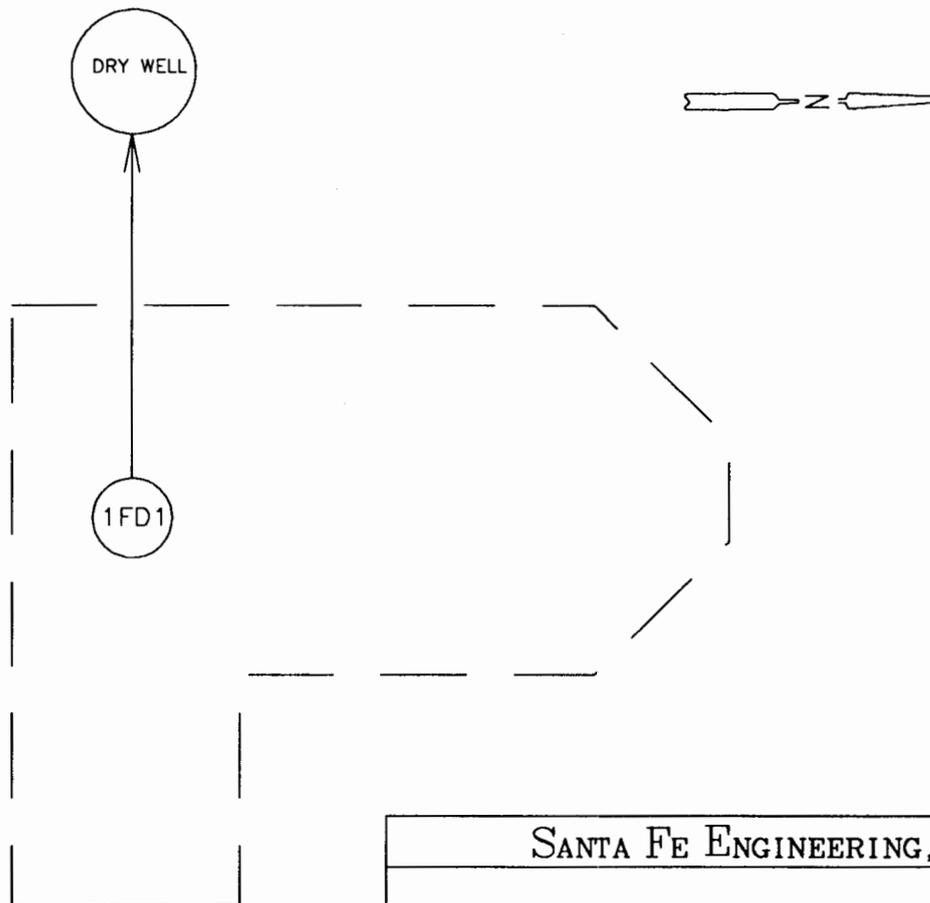
39-7-OPN-2 ←

LEGEND

FD - FLOOR DRAIN

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 39-7 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	12/23/91
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
		SHEET	OF
CLASSIFICATION		REVIEWER	
REQUESTING DIVISION	LAB JOB NO.	DATE	
REQUESTING GROUP EM-8	11056-26	DRAWING NO. FIGURE 19	
		REV.	

39-8-OPN-1



NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-11124 AND SITE VISIT

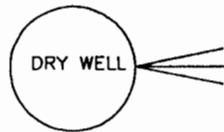
NOTE 2: NO WATER SOURCE

LEGEND

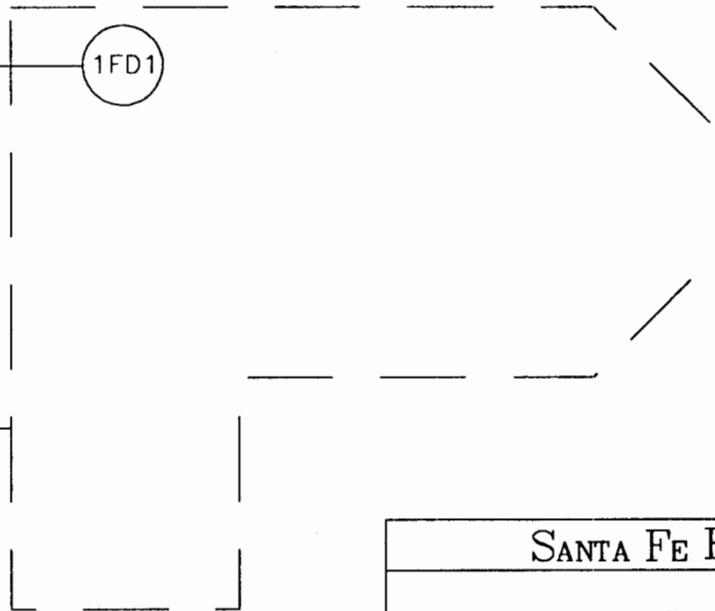
FD - FLOOR DRAIN

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 39-8 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	12/23/91
SUBMITTED		RECOMMENDED	APPROVED
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET / OF
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 20	

39-57-OPN-1



1FD1



39-57-OPN-2  
TO DAYLIGHT

NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-22795, C-22800 &  
R-3112 AND SITE VISIT

NOTE 2: NO WATER SOURCE

LEGEND

FD - FLOOR DRAIN

SANTA FE ENGINEERING, LTD.

TA 39-57 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	12/23/91

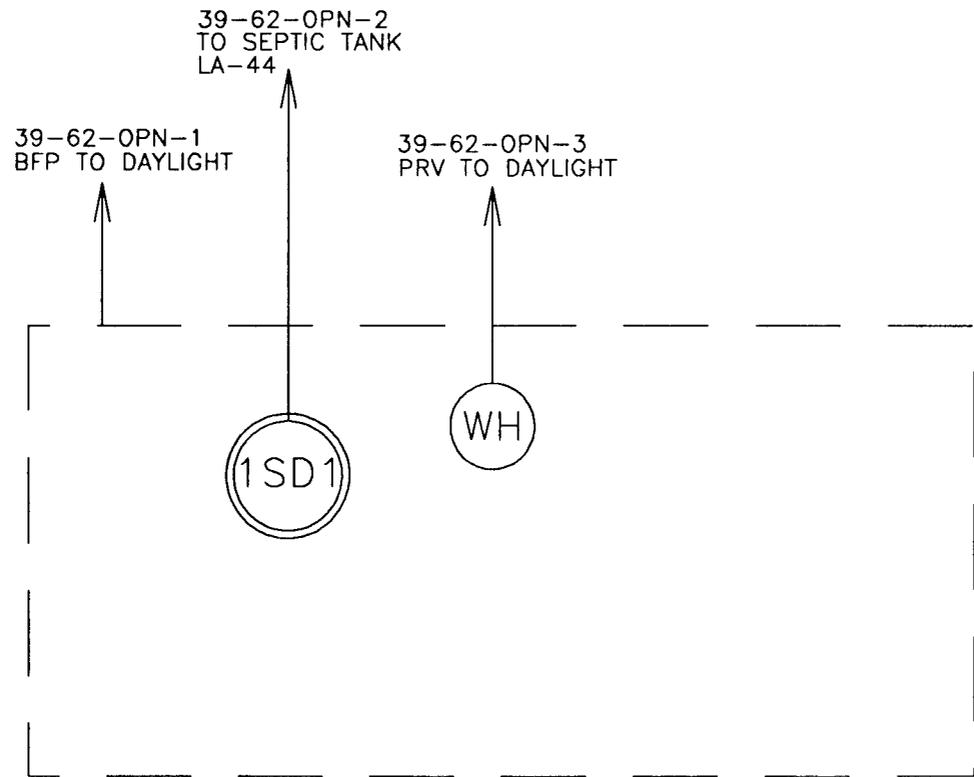
SUBMITTED	RECOMMENDED	APPROVED
-----------	-------------	----------

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Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

SHEET	OF
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CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.
REQUESTING GROUP	11056-26	FIGURE 21
EM-8		
		REV.

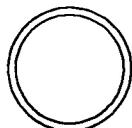


NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-45193 & R-3113 AND SITE VISIT

LEGEND

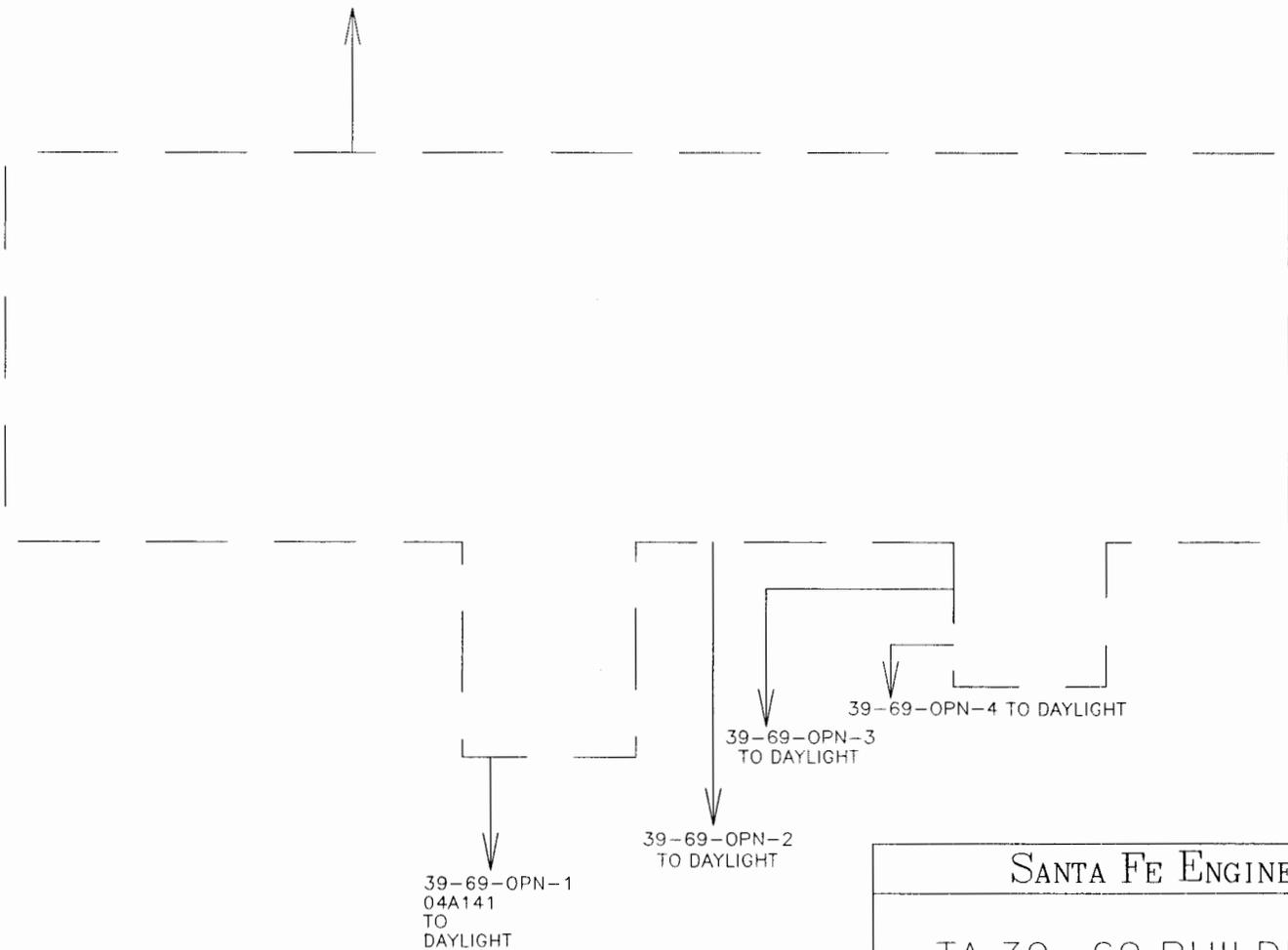
- SD - SINK DRAIN
- BFP - BACKFLOW PREVENTER
- PRV - PRESS. RELIEF VALVE



DYE TESTED DRAIN

SANTA FE ENGINEERING, L.T.C.			
TA 39-62 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	1/8/92
SUBMITTED	RECOMMENDED	APPROVED	
		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION		REVIEWER	DATE
REQUESTING DMSION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-26	FIGURE 22	
		SHEET	OF

39-69-OPN-5 TO DAYLIGHT  
NON-CONTACT COOLING WATER  
04A141



NOTES

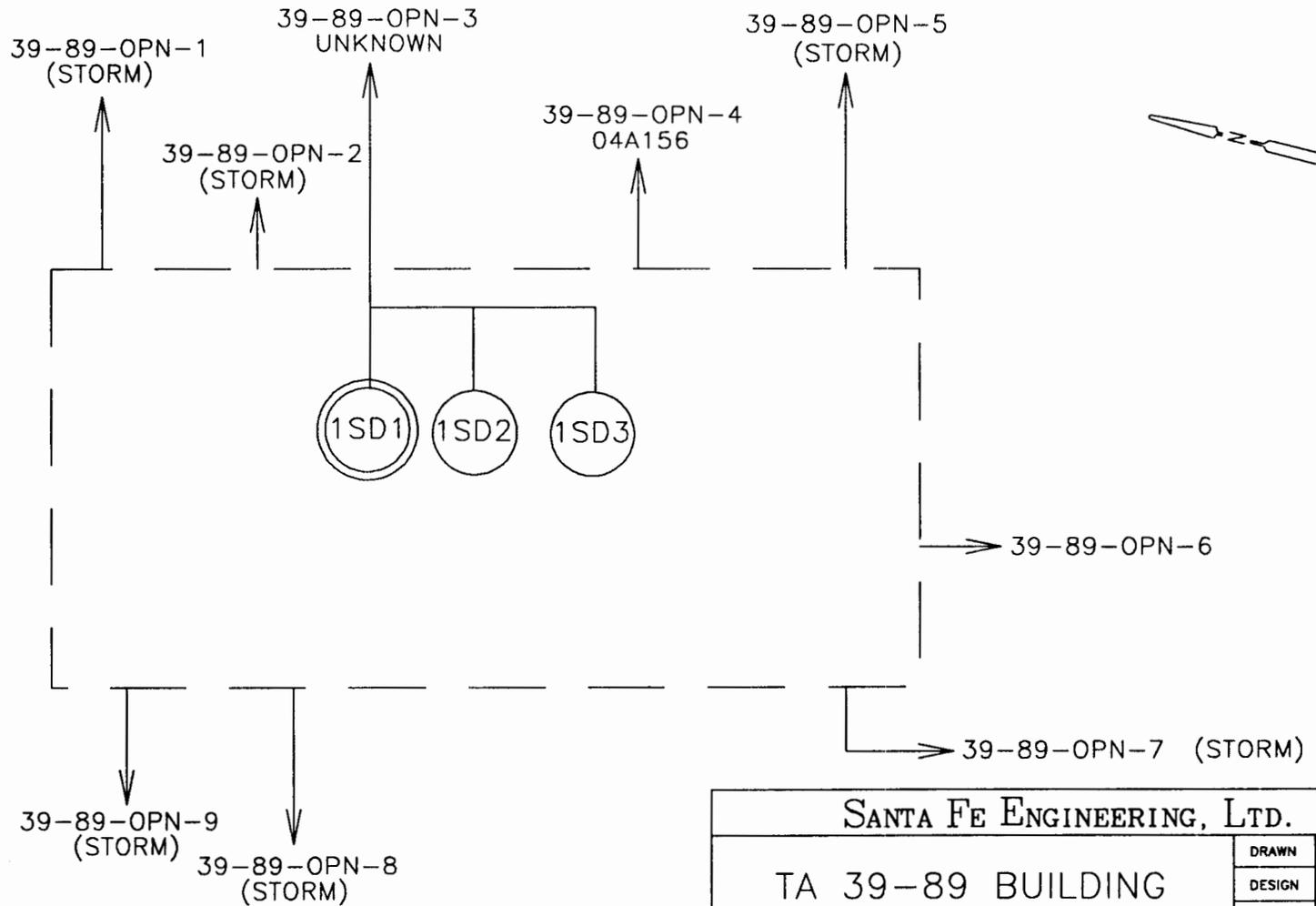
NOTE 1: SCHEMATIC BASED DRAWINGS

C-36163, C-51322 &

R-1689 AND SITE VISIT



SANTA FE ENGINEERING, LTD.			
TA 39-69 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	1/14/92
SUBMITTED		RECOMMENDED	APPROVED
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-26	FIGURE 23	
		SHEET <input type="checkbox"/> OF <input type="checkbox"/>	



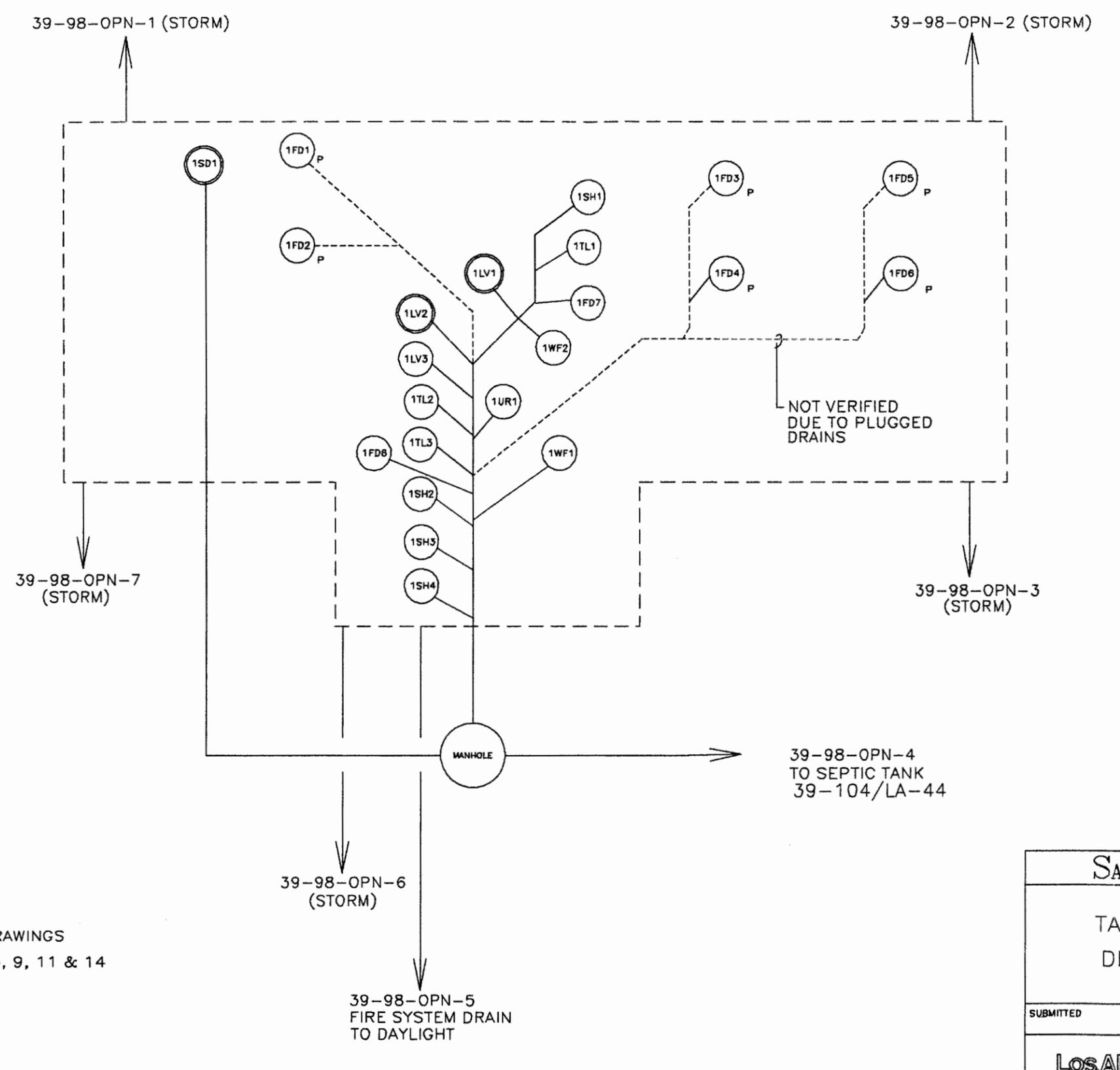
**NOTES**

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-43769 & R-5355  
AND SITE VISIT

**LEGEND**

SD - SINK DRAIN  
 DYE TESTED DRAIN

<b>SANTA FE ENGINEERING, LTD.</b>			
<b>TA 39-89 BUILDING DRAIN SCHEMATIC</b>		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	12/23/91
SUBMITTED		RECOMMENDED	APPROVED
		Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET OF
		CLASSIFICATION	REVIEWER
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	
REQUESTING GROUP EM-8	11056-26	FIGURE 24	
		REV.	

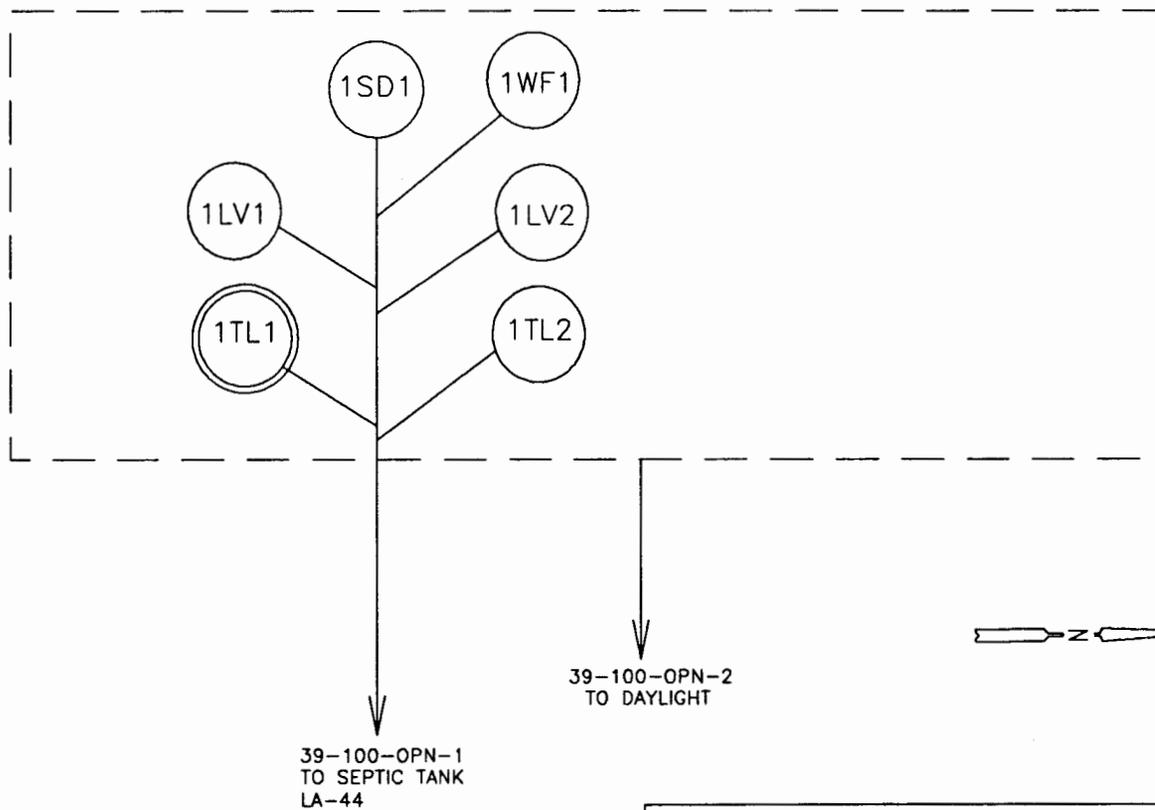


LEGEND

- FD - FLOOR DRAIN
- LV - LAVATORY
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- UR - URINAL
- WF - WATER FOUNTAIN
- DYE TESTED DRAIN
- "P" PLUGGED

NOTES  
 NOTE 1: SCHEMATIC BASED DRAWINGS  
 C-45423 SHEETS 3, 9, 11 & 14  
 AND SITE VISIT

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 39-98 BUILDING DRAIN SCHEMATIC	DRAWN	PEB	
	DESIGN	PEB	
	CHECKED	LBA	
	DATE	1/10/92	
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION	REVIEWER	DATE	SHEET / OF
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-26	FIGURE 25	
EM-8			



39-100-OPN-1  
TO SEPTIC TANK  
LA-44

39-100-OPN-2  
TO DAYLIGHT



LEGEND

- LV - LAVATORY
- SD - SINK DRAIN
- TL - TOILET
- WF - WATER FOUNTAIN



NOTES

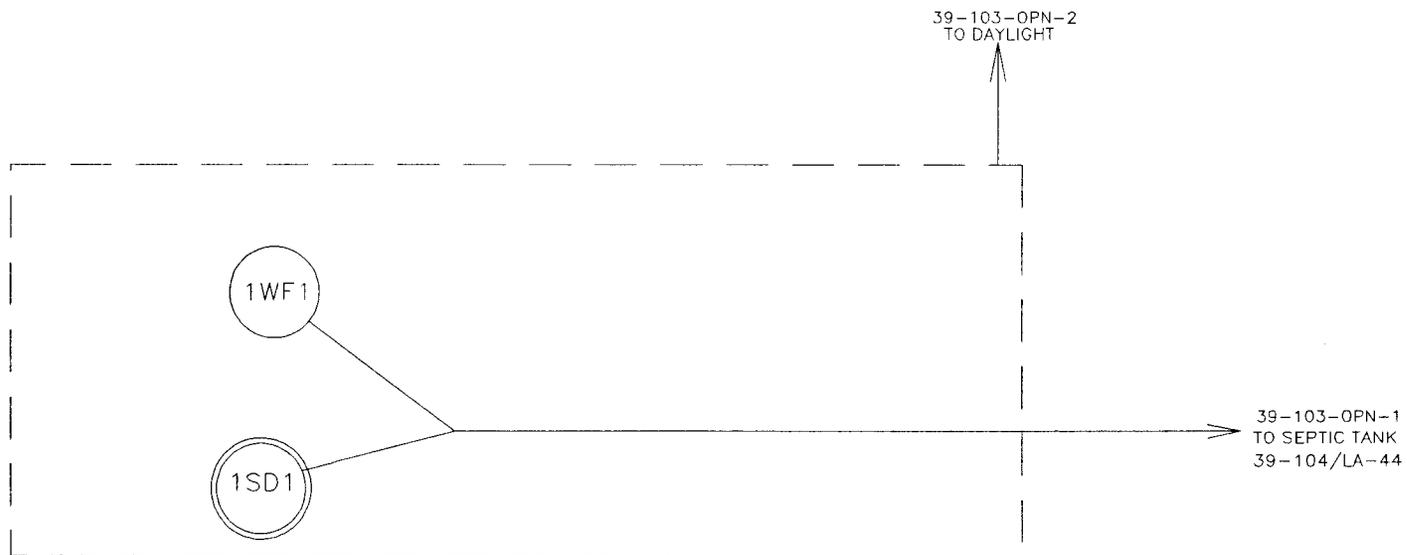
NOTE 1: SCHEMATIC BASED DRAWINGS  
C-44331 & R-5385 AND SITE VISIT

SANTA FE ENGINEERING, LTD.

TA 39-100 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	OF
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-26	FIGURE 26	
EM-8			



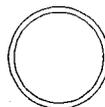
NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-44450 & R-5473 AND SITE VISIT

LEGEND

SD - SINK DRAIN

WF - WATER FOUNTAIN

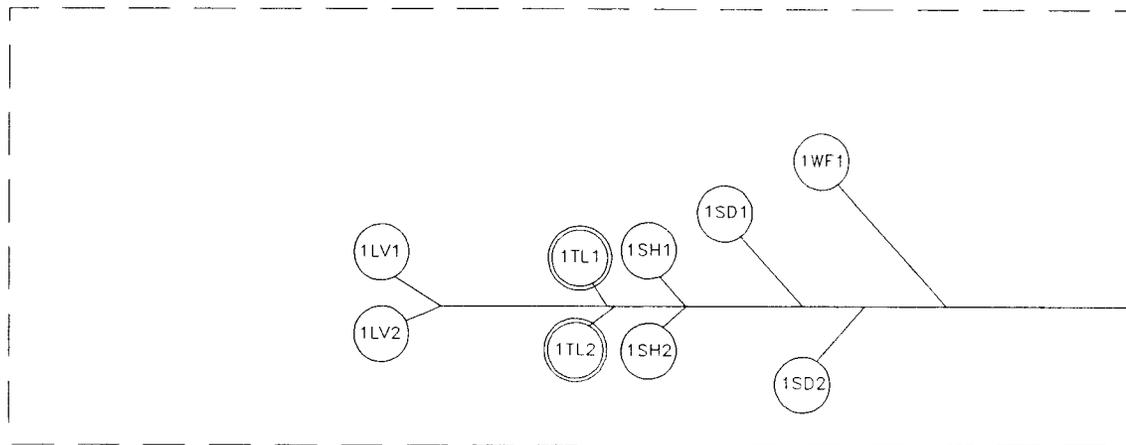
 DYE TESTED DRAIN

SANTA FE ENGINEERING, LTD.

TA 39-103 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED		RECOMMENDED		APPROVED	
			Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET OF
CLASSIFICATION		REVIEWER		DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 27			



39-107-OPN-1  
TO SEPTIC TANK  
39-104/LA-44



LEGEND

- LV - LAVATORY
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- WF - WATER FOUNTAIN
-  DYE TESTED DRAIN

NOTES

NOTE 1: SCHEMATIC BASED DRAWINGS  
C-44977 SHEET 1, C-44978,  
R-5591 AND SITE VISIT

SANTA FE ENGINEERING, LTD.

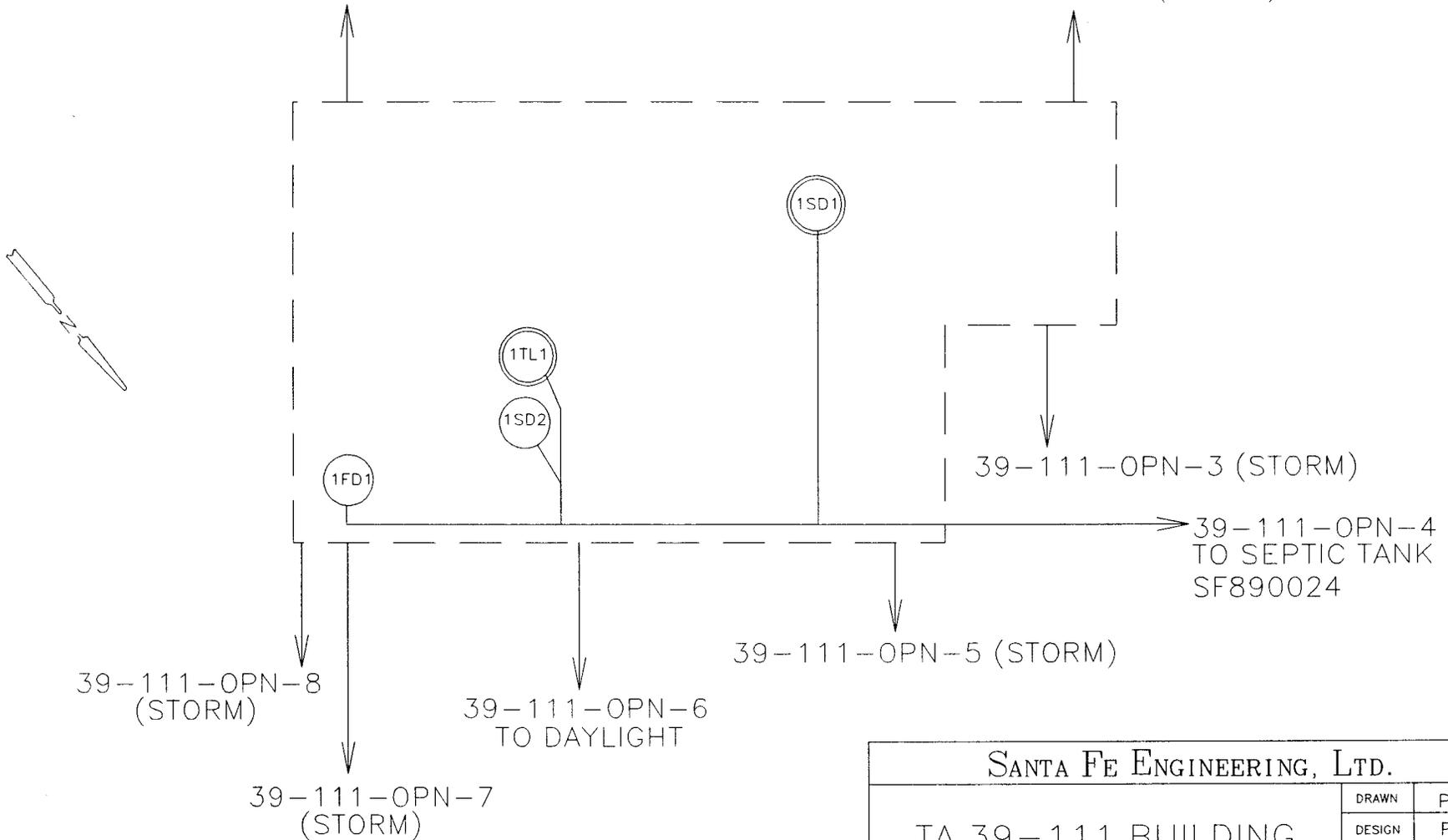
TA 39-107 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED		RECOMMENDED		APPROVED	
 Los Alamos National Laboratory Los Alamos, New Mexico 87545				SHEET	OF
CLASSIFICATION		REVIEWER		DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 28			

39-111-OPN-1 (STORM)

39-111-OPN-2 (STORM)



LEGEND

FD - FLOOR DRAIN

SD - SINK DRAIN

TL - TOILET

 DYE TESTED DRAIN

NOTES

NOTE 1: SCHEMATIC BASED SITE VISIT

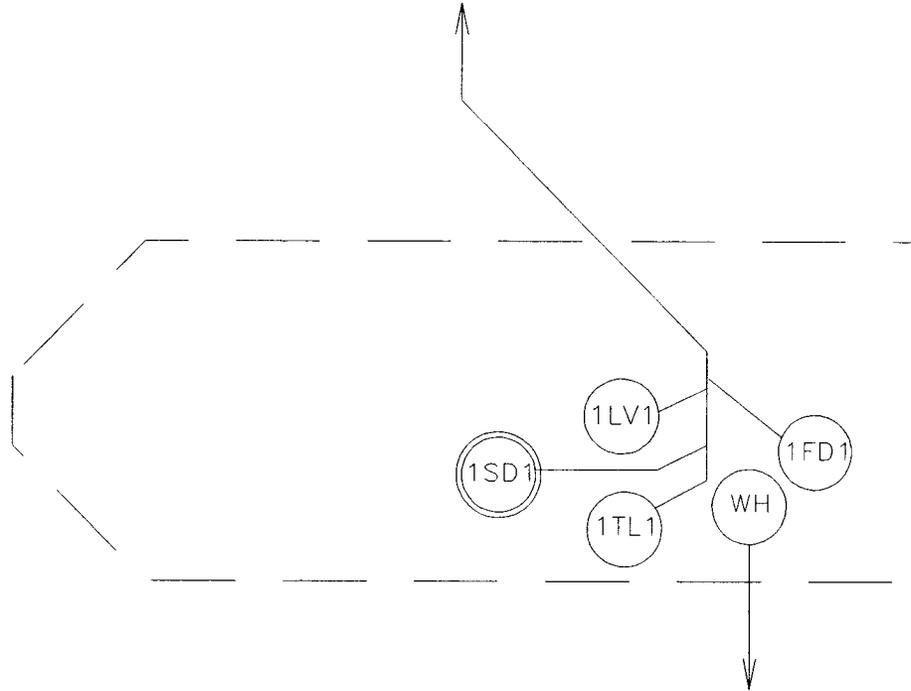
SANTA FE ENGINEERING, LTD.

TA 39-111 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED		RECOMMENDED		APPROVED	
Los Alamos				Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION				REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.		DRAWING NO.		REV.
REQUESTING GROUP EM-8	11056-26		FIGURE 29		

49-113-OPN-1  
TO SEPTIC TANK  
49-118/LA-49



49-113-OPN-2  
WH PRV TO DAYLIGHT

LEGEND

- FD - FLOOR DRAIN
- LV - LAVATORY
- PRV - PRESSURE RELIEF VALVE
- SD - SINK DRAIN
- TL - TOILET
- WH - WATER HEATER



NOTES

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
C-44775 SHEETS 13, 25 & 39 and R-5586  
AND SITE VISIT

SANTA FE ENGINEERING, LTD.

TA 49-113 BUILDING  
DRAIN SCHEMATIC

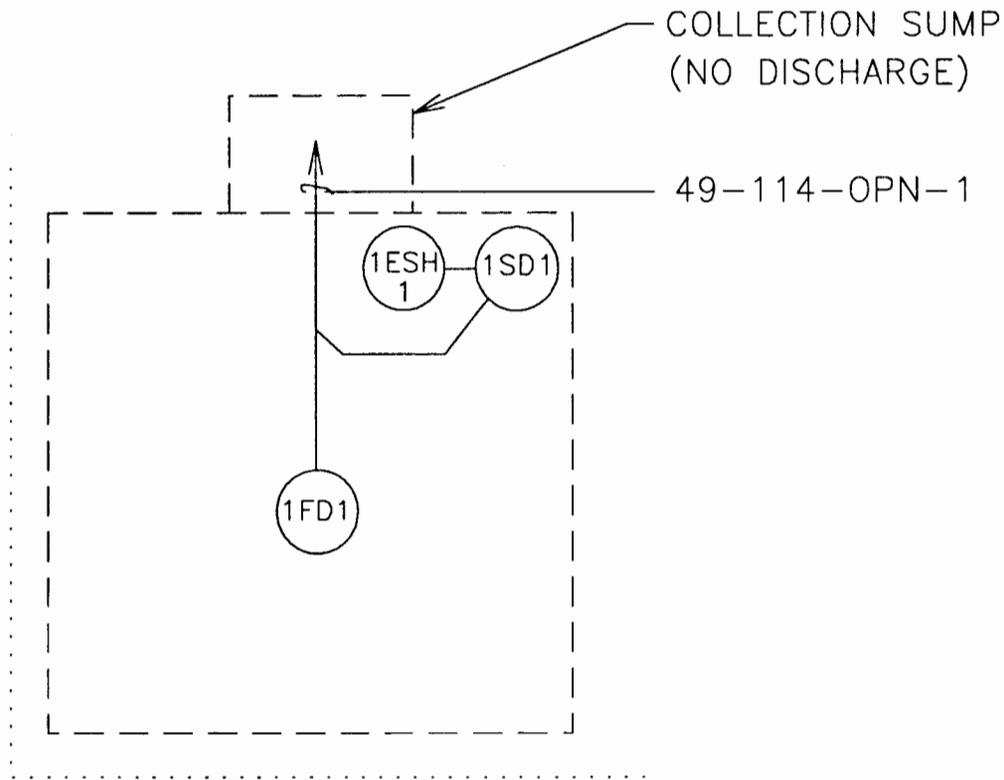
DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	12/27/91

SUBMITTED	RECOMMENDED	APPROVED
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**Los Alamos** Los Alamos National Laboratory  
Los Alamos, New Mexico 87545

SHEET	OF
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CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.
REQUESTING GROUP	11056-26	FIGURE 30
EM-8		REV.

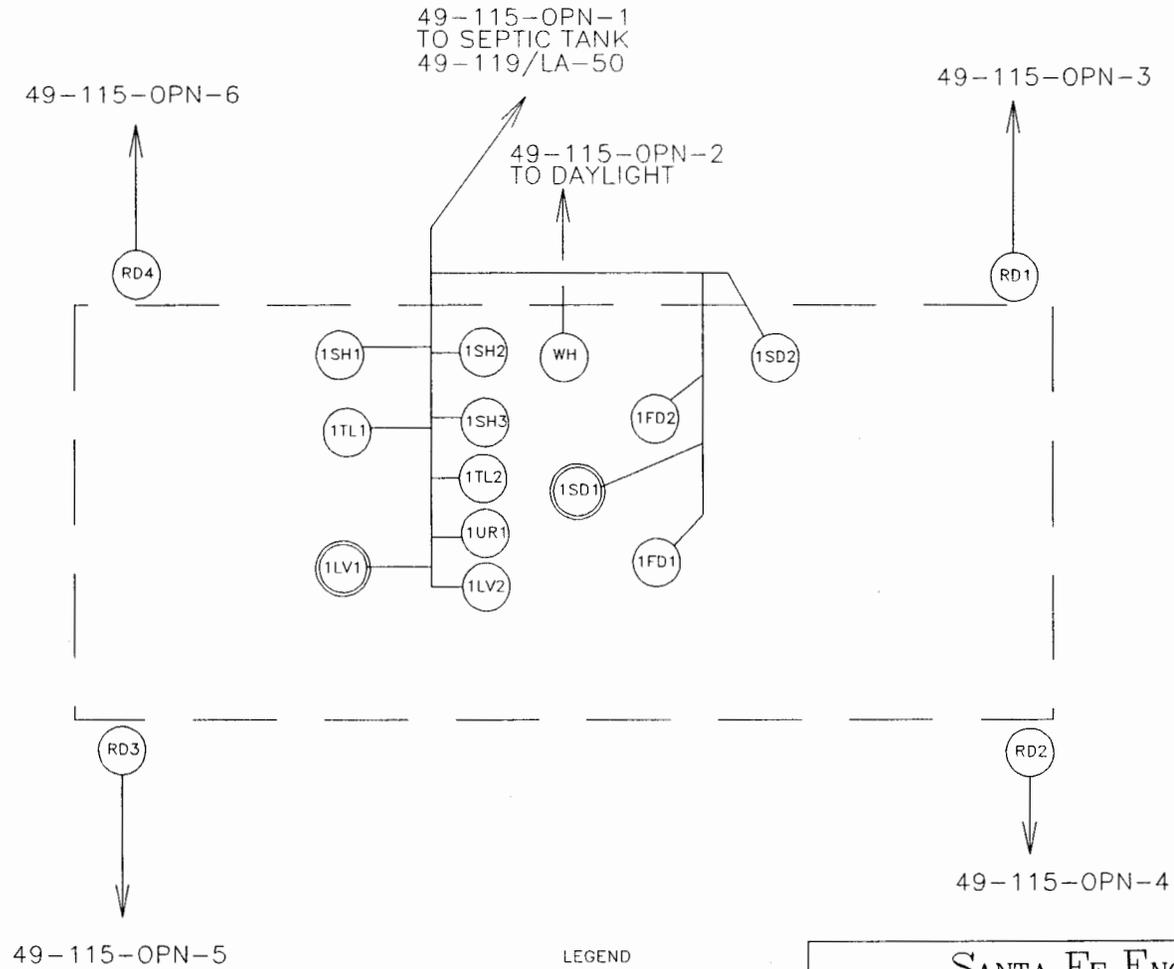
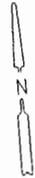


NOTES

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
C-44775 SHEETS 23, 48 & 50  
AND SITE VISIT

FRENCH DRAIN  
49-114-OPN-2  
TO DAYLIGHT

SANTA FE ENGINEERING, LTD.			
TA 49-114 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	10/31/91
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	OF
CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP	11056-26	FIGURE-31	
EM-8			



LEGEND

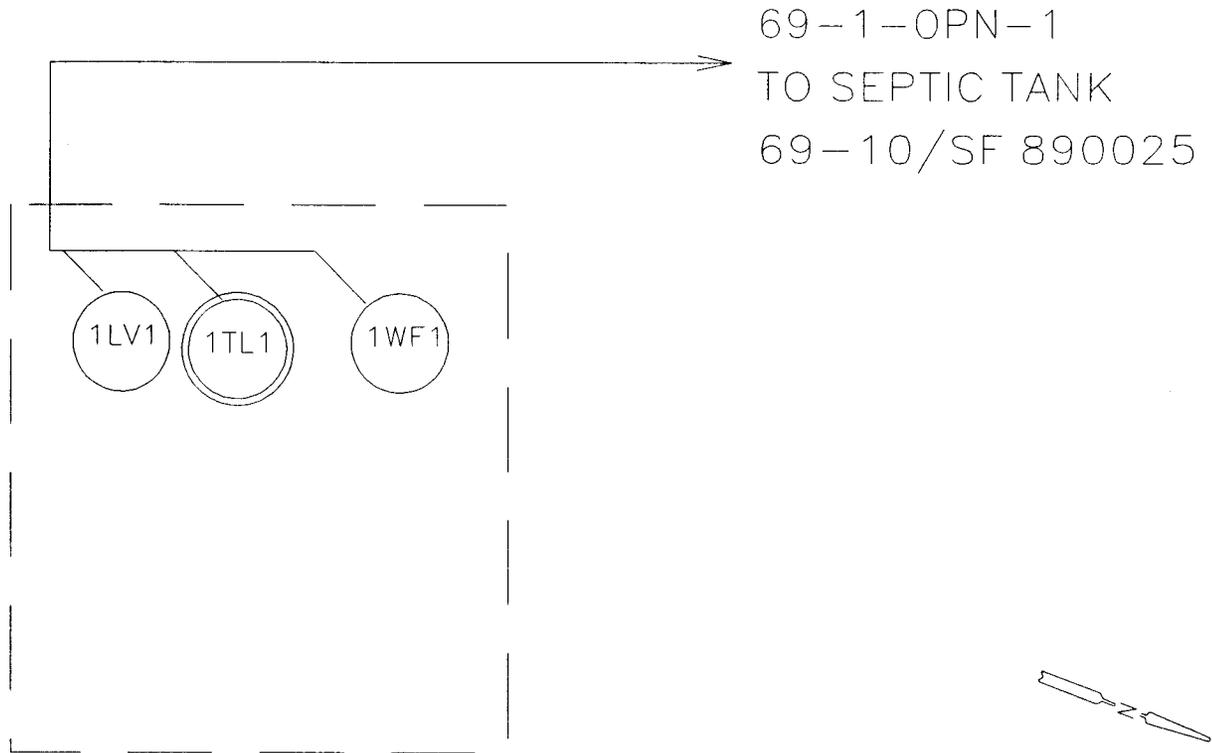
- FD - FLOOR DRAIN
- LV - LAVATORY
- RD - ROOF DRAIN
- SD - SINK DRAIN
- SH - SHOWER
- TL - TOILET
- UR - URINAL
- WH - WATER HEATER
-  DYE TESTED DRAIN

NOTES

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
C-44775 SHEETS 13 & 63 and R-5587  
AND SITE VISIT

SANTA FE ENGINEERING, LTD.

TA 49-115 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	1/6/92
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b>		Los Alamos National Laboratory Los Alamos, New Mexico 87545	
CLASSIFICATION		REVIEWER	DATE
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	
REQUESTING GROUP	11056-26	FIGURE 32	
		SHEET	OF
		REV.	



LEGEND

- LV - LAVATORY
- TL - TOILET
- WF - WATER FOUNTAIN

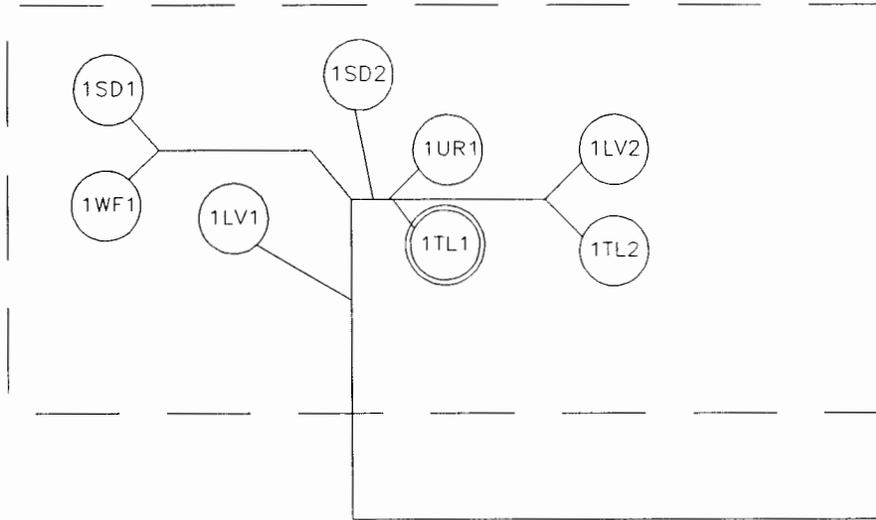


NOTES

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
C-16368, C-16370 & R-3301  
AND SITE VISIT

<b>SANTA FE ENGINEERING, LTD.</b>			
TA 69-1 BUILDING DRAIN SCHEMATIC		DRAWN	PEB
		DESIGN	PEB
		CHECKED	LBA
		DATE	1/10/92
SUBMITTED	RECOMMENDED	APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545		SHEET	OF
CLASSIFICATION		REVIEWER	
REQUESTING DIVISION	LAB JOB NO.	DATE	
REQUESTING GROUP	11056-26	DRAWING NO.	
EM-8		FIGURE 33	
		REV.	

69-2-OPN-1  
 TO SEPTIC TANK  
 69-10/SF 890025



LEGEND

LV - LAVATORY

SK - SINK

TL - TOILET

UR - URINAL

WF - WATER FOUNTAIN

 DYE TESTED DRAIN

NOTES

NOTE 1: SCHEMATIC BASED ON DRAWINGS  
 C-44939 SHEETS 1 & 4 and  
 C-44940 SHEET 3 AND SITE VISIT

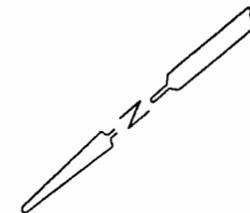
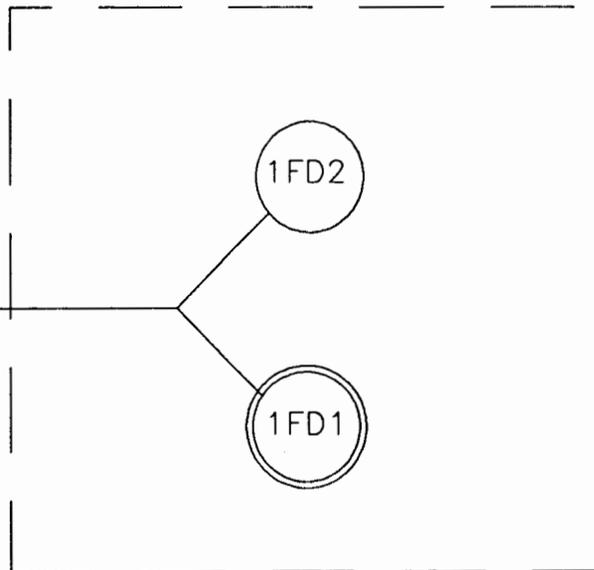
SANTA FE ENGINEERING, LTD.

TA 69-2 BUILDING  
 DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED		RECOMMENDED		APPROVED	
 Los Alamos National Laboratory Los Alamos, New Mexico 87545				SHEET	OF
CLASSIFICATION		REVIEWER		DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 34			

69-8-OPN-1  
TO DAYLIGHT



NOTES

NOTE 1: SCHEMATIC BASED ON SITE VISIT

LEGEND

FD - FLOOR DRAIN



SANTA FE ENGINEERING, LTD.

TA 69-8 BUILDING  
DRAIN SCHEMATIC

DRAWN	PEB
DESIGN	PEB
CHECKED	LBA
DATE	1/10/92

SUBMITTED		RECOMMENDED		APPROVED	
<b>Los Alamos</b> Los Alamos National Laboratory Los Alamos, New Mexico 87545				SHEET	OF
CLASSIFICATION		REVIEWER		DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.		REV.	
REQUESTING GROUP EM-8	11056-26	FIGURE 35			