

**WASTEWATER STREAM
CHARACTERIZATION FOR
TA 16-260, 261, 263, 265, 267, 268,
269, 270, 271, 277, 278, 530, 531, 532,
533, 535, 1385, 1412, 1417 & 1451**

**at
Los Alamos National Laboratory**

ENVIRONMENTAL STUDY

CHARACTERIZATION REPORT #17

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WASTEWATER STREAM
CHARACTERIZATION FOR
TA 16-260, 261, 263, 265,
267, 268, 269, 270, 271, 277,
278, 530, 531, 532, 533, 535,
1385, 1412, 1417 & 1451

ENVIRONMENTAL STUDY

prepared for:
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EXECUTIVE SUMMARY

Buildings 260, 261, 263, 265, 267, 268, 269, 270, 271, 278, 271, 278, 530, 531, 532, 533, 535, 1385, 1414, 1417 and 1451 in TA-16 were visited to document all drain piping and to make permitting recommendations. The pipes exiting the building are as follows:

- 1) from 16-260: one high explosives (HE) waste water discharge, two roof drains, 11 fire water drains, two chiller drains, one discharge to sanitary sewer, two air compressor drains, one outfall from an equipment room and one air drier drain,
- 2) from 16-261: two fire water drains,
- 3) from 16-263: two fire water drains,
- 4) from 16-265: one plugged HE sump drain, two fire water drains and one chiller drain,
- 5) from 16-267: one plugged HE sump drain, two fire water drains and one chiller drain,
- 6) from 16-268, 269, 270 and 271: no drains,
- 7) from 16-277 and 278: no drains,
- 8) from 16-530, 531, 532, 533 and 535: one permitted outfall (03S) from a sanitary sewer treatment plant,
- 9) from 16-1385: no drains,
- 10) from 16-1412, 1417 and 1451: no drains.

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 and spill containment is recommended where potential for discharge of pollutants exists.

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

TABLE OF CONTENTS

| | |
|---|-----------|
| 1.0 INTRODUCTION | 1 |
| 2.0 FIELD INVESTIGATION | 3 |
| 3.0 RECOMMENDATIONS FOR BUILDING 260 | 4 |
| 3.1 Outfall 16-260-OPN-1 | 4 |
| 3.2 Outfall 16-260-OPN-2 | 4 |
| 3.3 Outfalls 16-260-OPN-3, 16-260-OPN-4, 16-260-OPN-6, 16-260-OPN-9, 16-260-OPN-10, 16-260-OPN-13, 16-260-OPN-14, 16-260-OPN-15, 16-260-OPN-16 and 16-260-OPN-19 | 4 |
| 3.4 Outfall 16-260-OPN-5 | 5 |
| 3.5 Outfalls 16-260-OPN-7 and 16-260-OPN-20 | 5 |
| 3.6 Outfalls 16-260-OPN-8 and 16-260-OPN-11 | 5 |
| 3.7 Outfall 16-260-OPN-12 | 5 |
| 3.8 Outfall 16-260-OPN-17 | 5 |
| 3.9 Outfall 16-260-OPN-18 | 6 |
| 3.10 Outfall 16-260-OPN-21 | 6 |
| 3.11 Outfall 16-260-OPN-22 | 6 |
| 4.0 RECOMMENDATIONS FOR BUILDINGS 261 AND 263 | 6 |
| 5.0 RECOMMENDATIONS FOR BUILDING 265 | 6 |
| 5.1 Outfall 16-265-OPN-1 | 7 |
| 5.2 Outfalls 16-265-OPN-2 and 16-265-OPN-3 | 7 |
| 5.3 Outfall 16-265-OPN-4 | 7 |
| 6.0 RECOMMENDATIONS FOR BUILDING 267 | 7 |
| 6.1 Outfall 16-267-OPN-1 | 8 |
| 6.2 Outfalls 16-267-OPN-2 and 16-267-OPN-3 | 8 |
| 6.3 Outfall 16-267-OPN-4 | 8 |
| 7.0 RECOMMENDATIONS FOR BUILDINGS 268, 269, 270 and 271 | 8 |
| 8.0 RECOMMENDATIONS FOR BUILDINGS 277 AND 278 | 8 |
| 9.0 RECOMMENDATIONS FOR STRUCTURES 530, 531, 532, 533 AND 535 | 9 |
| 10.0 RECOMMENDATIONS FOR BUILDINGS 1385, 1414 and 1417 | 9 |
| 11.0 RECOMMENDATIONS FOR BUILDING 1451 | 9 |
| 12.0 CONCLUSION | 10 |

APPENDICES

- Appendix 1 - DRAIN SUMMARY TABLES
- Appendix 2 - WASTE STREAM CHARACTERIZATION DATABASE
- Appendix 3 - EPA FORMS
- Appendix 4 - WX-12 DRAWINGS AND DYE STUDY INFORMATION
- Appendix 5 - DRAINS SCHEMATICS

LIST OF TABLES

1. ABBREVIATIONS
2. TA 16-260 DRAIN SUMMARY
3. TA 16-261 DRAIN SUMMARY
4. TA 16-263 DRAIN SUMMARY
5. TA 16-265 DRAIN SUMMARY
6. TA 16-267 DRAIN SUMMARY
7. NON-DRAIN RECOMMENDATIONS

LIST OF FIGURES

1. TA-260 AREA PLOT PLAN
2. TA 16-260 BUILDING DRAIN SCHEMATIC
3. TA 16-261 BUILDING DRAIN SCHEMATIC
4. TA 16-263 BUILDING DRAIN SCHEMATIC
5. TA 16-265 BUILDING DRAIN SCHEMATIC
6. TA 16-267 BUILDING DRAIN SCHEMATIC
7. TA-16 SANITARY TREATMENT PLANT PLOT PLAN

1.0 INTRODUCTION

On July 26, 1991, Patrick E. Binkley of Santa Fe Engineering (SFE) toured structures 260, 261, 263, 265, 267, 268, 269, 270, 271, 277, 278, 530, 531, 532, 533, 535, 1385, 1412, 1417 and 1451 in TA-16 with Loren Abercrombie of Engineering and Information Resources (WX-12). Figure 1 is a plot plan of the buildings around 16-260. The purpose of this study is to identify building drain piping and to characterize the wastewater flows and sources at the time of the visit. This report will not reflect any subsequent changes in piping or operation. The Wastewater Stream Characterization Policy of April 14, 1992 was followed for this study. The following tasks were performed for this purpose:

1. Building drains and all piping exiting the building were identified and laid out in schematic form;
2. Wastewater sources were identified at each drain and the wastewater was characterized according to flow rate and quality. The location of outfalls and their potential sources of discharge were determined. 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 using the WX-12 drawings during a site visit to verify the SFE schematics and to insure that all pipes exiting the building were documented. The following information was used to define drain piping and characterize the wastewater streams:

1. Laboratory engineering drawings were used to prepare both WX-12 drawings the SFE drain piping schematic. The Solid Waste Stream Characterization conducted by IT Corporation was also reviewed. The National Pollutant Discharge Elimination System (NPDES) Permit, the 1990 NPDES Permit Application submitted by Los Alamos National Laboratory (LANL) in September, 1990, the latest Federal Facilities Compliance Agreement (FFCA) between the Department of Energy (DOE) and the Environmental Protection Agency (EPA) and the Administrative Order (AO) Docket Number VI-91-1329 issued by EPA to the University of California were used for reference;
2. WX-12 verified drain piping by dye checking; and
3. A site visit was performed to verify both the WX-12 drawings and 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. Interviews with site personnel were conducted to assist in waste stream characterization.

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 1). 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 the buildings are listed Appendix 1 in Tables 2 through 6, with an abbreviations list in Table 1. Appendix 2 contains the waste stream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Completed EPA forms are in Appendix 3 for the appropriate outfalls. Appendix 4 provides a copy of the WX-12 drawings and dye study information. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 2 through 6.

3.0 RECOMMENDATIONS FOR BUILDING 260

Table 2 is a list of the drains to the building outfalls and Figure 2 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.

3.1 Outfall 16-260-OPN-1

This outfall to daylight is permitted as 05A056 and receives flow from thirteen high explosives (HE) sumps. The sumps receive flow from floor washings in the 25 process bays. Oil was noticed in part of the trench drain in Bay 11 and on the floor in Bay 23. Installing weirs to trap the oil in the Bay 11 trench is recommended to keep oil out of the discharge. Repairing of the hydraulic leaks in Bay 23 is recommended to eliminate the oil on the floor. No other changes are recommended. An EPA Form 2C is included for this outfall.

3.2 Outfall 16-260-OPN-2

This outfall flows to the TA-16 sanitary treatment plant that discharges as 03S. The vacuum pumps discharging cooling water into floor drains in the equipment room should be changed to a closed-loop recirculating cooling system or replaced with waterless pumps. No permitting is recommended. No EPA forms were prepared.

3.3 Outfalls 16-260-OPN-3, 16-260-OPN-4, 16-260-OPN-6, 16-260-OPN-9, 16-260-OPN-10, 16-260-OPN-13, 16-260-OPN-14, 16-260-OPN-15, 16-260-OPN-16 and 16-260-OPN-19

These ten outfalls to daylight are drains from the fire water system. These outfalls should be included in a Notice of Intent to Discharge (NOI). No changes are recommended. No EPA forms were prepared.

3.4 Outfall 16-260-OPN-5

This outfall to daylight receives flow from a chiller drain. This outfall should be included in an NOI. No changes are recommended. No EPA forms were prepared.

3.5 Outfalls for 16-260-OPN-7 and 16-260-OPN-20

These two outfalls flow to a ditch and receive flow from sixteen roof drains. No permitting or changes are recommended. No EPA forms were prepared.

3.6 Outfalls 16-260-OPN-8 and 16-260-OPN-11

These outfalls are drains from air compressors. The potential exists for the discharge of oil from these two outfalls. It is recommended that these discharges be containerized. No EPA forms were prepared.

3.7 Outfall 16-260-OPN-12

This outfall is a drain from an air drier and discharges water condensed from the air. This outfall should be repiped to the sanitary sewer system. No permitting is recommended. No EPA forms were prepared.

3.8 Outfall for 16-260-OPN-17

This outfall could receive flow from a floor drain. No equipment is located near this drain. This drain would only receive flow from water used to wash the floor. Plugging of the drain is recommended. No permitting is recommended. No EPA forms were prepared.

3.9 Outfall 16-260-OPN-18

This outfall to daylight receives flow from a roof drain. No changes or permitting are recommended. No EPA forms were prepared.

3.10 Outfall 16-260-OPN-21

This outfall can receive flow from two floor drains in an equipment room. The flow goes to an oil interceptor that may be plugged. Removal of the oil interceptor and plugging the floor drains are recommended. No permitting is recommended. No EPA forms were prepared.

3.11 Outfall 16-260-OPN-22

This outfall to daylight receives flow from a floor drain below a fire water hose and from any water on the floor in the hallway. Plugging of the drain is recommended. No permitting is recommended. No EPA forms were prepared.

4.0 RECOMMENDATION FOR BUILDINGS 261 AND 263

Tables 3 and 4 are lists of the drains to the outfalls for each building and Figures 3 and 4 are schematics of the piping. These outfalls are drains from the fire water system. These outfalls should be included in an NOI. No changes are recommended. No EPA forms were prepared.

5.0 RECOMMENDATIONS FOR BUILDING 265

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

5.1 Outfall 16-265-OPN-1

This outfall is permitted as 05A057 and is from an HE sump. The outlet from the sump has been plugged. The level in the sump was very high and close to overflowing. A high level alarm should be installed on the sump to eliminate the chance of the sump overflowing. Also, the existing water fountain should be eliminated and bottled water substituted. Elimination of the NPDES permit for this outfall is recommended. The sump should be permitted as a sanitary holding tank. No EPA forms were prepared.

5.2 Outfalls 16-265-OPN-2 and 16-265-OPN-3

These outfalls to daylight are drains from the fire water system. These outfalls should be included in an NOI. No changes are recommended. No EPA forms were prepared.

5.3 Outfall 16-265-OPN-4

This outfall is from a floor drain that receives condensate from a chiller that cools the building. No evidence of flow from the chiller was noted. The final destination of the outfall was not determined. Permanent plugging of the drain is recommended. The destination of the outfall should be verified by the User Group if the drain is not plugged. No permitting is recommended. No EPA forms were prepared.

6.0 RECOMMENDATIONS FOR BUILDING 267

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

6.1 Outfall 16-267-OPN-1

This outfall is permitted as 05A149 and is from an HE sump. The outlet from the sump has been plugged. A high level alarm should be installed on the sump to eliminate the chance of the sump overflowing. Also, the water fountains should be replaced with bottled water. Elimination of the NPDES permit for this outfall is recommended. The sump should be permitted as a sanitary holding tank. No EPA forms were prepared.

6.2 Outfalls 16-267-OPN-2 and 16-267-OPN-3

These outfalls to daylight are drains from the fire water system. These outfalls should be included in an NOI. No changes are recommended. No EPA forms were prepared.

6.3 Outfall 16-267-OPN-4

This outfall is from a floor drain that receives condensate from a chiller that cools the building. No evidence of flow from the chiller was noted. The final destination of the outfall was not determined. Plugging of the drain is recommended. No permitting is recommended. No EPA forms were prepared.

7.0 **RECOMMENDATIONS FOR BUILDINGS 268, 269, 270 and 271**

These structures are the passageways that connect the buildings as shown on Figure 1. The passageways have no drains. Any spill of HE will be contained in the passageway for easy cleanup. No permitting or changes are recommended. No EPA forms were prepared.

8.0 RECOMMENDATIONS FOR BUILDINGS 277 AND 278

These two buildings are storage rooms that have no drains. No permitting or changes are recommended. No EPA forms were prepared.

9.0 RECOMMENDATIONS FOR STRUCTURES 530, 531, 532, 533 AND 535

These structures are the components of the TA-16 sanitary treatment plant. The layout is shown on Figure 7. No changes are recommended. A discharge of water was noted in the canyon below this outfall but the source could not be verified. It is recommended that the User Group verify the source of this liquid. It is most likely from the 03S discharge. An EPA Form 2C is included for outfall 16-532-OPN-1 that is permitted as 03S.

10.0 RECOMMENDATIONS FOR BUILDINGS 1385, 1414 AND 1417

These buildings are a transportainer, a semi-trailer and a trailer respectively with no water, power or drains. No permitting or changes are recommended. No EPA forms were prepared.

11.0 RECOMMENDATIONS FOR BUILDING 1451

This is an abandoned guard house that has no water or power and no outfall pipes. No permitting or changes are recommended. No EPA forms were prepared.

12.0 CONCLUSION

This document provides the information to characterize buildings 260, 261, 263, 265, 267, 268, 269, 270, 271, 277, 278, 530, 531, 532, 533, 535, 1385, 1412, 1417 and 1451 in TA-16. Permit application forms have been completed for the following outfalls (Appendix 3):

Forms 2C:

- | | |
|--------------------------|-------------------------------|
| 1. 16-260-OPN-1 | 2. 16-265-OPN-1(05A057) |
| 3. 16-267-OPN-1 (05A149) | 4. 16-532-OPN-1(05A056) (03S) |

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

Miscellaneous drains:

- | | | |
|------------------|------------------|------------------|
| 1. 16-260-OPN-17 | 2. 16-260-OPN-21 | 3. 16-260-OPN-22 |
|------------------|------------------|------------------|

Areas that do not have any drains:

- | | | |
|-------------|------------|------------|
| 1. 16-277 | 2. 16-278 | 3. 16-530 |
| 4. 16-531 | 5. 16-532 | 6. 16-533 |
| 7. 16-535 | 8. 16-1385 | 9. 16-1414 |
| 10. 16-1417 | | |

Areas that have drains but no water supply:

1. 16-1451

Discharges of condensed water from chillers:

- | | | |
|-----------------|-----------------|-----------------|
| 1. 16-260-OPN-5 | 2. 16-265-OPN-4 | 3. 16-267-OPN-4 |
|-----------------|-----------------|-----------------|

Discharges from air driers:

1. 16-260-OPN-12

Plugged HE sumps:

- | | |
|-----------------|-----------------|
| 1. 16-265-OPN-1 | 2. 16-267-OPN-1 |
|-----------------|-----------------|

Discharges from air compressors:

- | | |
|-----------------|------------------|
| 1. 16-260-OPN-8 | 2. 16-260-OPN-11 |
|-----------------|------------------|

Discharges that are storm water only:

- | | |
|-----------------|------------------|
| 1. 16-260-OPN-7 | 2. 16-260-OPN-20 |
|-----------------|------------------|

Discharges that are fire water blowdowns:

- | | | |
|-------------------|------------------|------------------|
| 1. 16-260-OPN-3 | 2. 16-260-OPN-4 | 3. 16-260-OPN-6 |
| 4. 16-260-OPN-9 | 5. 16-260-OPN-10 | 6. 16-260-OPN-13 |
| 7. 16-260-OPN-14 | 8. 16-260-OPN-15 | 9. 16-260-OPN-16 |
| 10. 16-260-OPN-19 | 11. 16-261-OPN-1 | 12. 16-261-OPN-2 |
| 13. 16-263-OPN-1 | 14. 16-263-OPN-2 | 15. 16-265-OPN-2 |
| 16. 16-265-OPN-3 | 17. 16-267-OPN-2 | 18. 16-267-OPN-3 |

Discharges to TA-16 sanitary treatment system (03S):

1. 16-260-OPN-2

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

1. 16-260-OPN-18

Recommended permitting and corrective actions are outlined in Tables 2 through 6 as well as in the above text. Corrective action should be performed as soon as practical to minimize the chance of unpermitted discharge of pollutants.

TABLE 1
SUMMARY OF ABBREVIATIONS

| ABBREVIATION | MEANING |
|---------------------|----------------|
| EW | Eye Wash |
| FD | Floor Drain |
| LV | Lavatory |
| RD | Roof Drain |
| SD | Sink Drain |
| TL | Toilet |
| TD | Trench Drain |
| UR | Urinal |
| WF | Water Fountain |

TABLE 2: TA 16-260 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|---------------------------|-----------|----------------|---------------------------|-------------------|
| 16-260-OPN-1 05A056 | 1TD1 | BAY 1 | No change | Yes |
| | 1TD2 | BAY 2 | No change | |
| | 1TD3 | BAY 3 | No change | |
| | 1TD4 | BAY 4 | No change | |
| | 1TD5 | BAY 5 | No change | |
| | 1TD6 | BAY 6 | No change | |
| | 1TD7 | BAY 7 | No change | |
| | 1TD8 | BAY 8 | No change | |
| | 1TD9 | BAY 9 | No change | |
| | 1TD10 | BAY 10 | No change | |
| | 1TD11 | BAY 11 | Secondary containment | |
| | 1TD12 | BAY 12 | No change | |
| | 1TD13 | BAY 13 | No change | |
| | 1TD14 | BAY 14 | No change | |
| | 1TD15 | BAY 15 | No change | |
| | 1TD16 | BAY 16 | No change | |
| | 1TD17 | BAY 17 | No change | |
| | 1TD18 | BAY 18 | No change | |
| | 1TD19 | BAY 19 | No change | |
| | 1TD20 | BAY 20 | No change | |
| | 1TD21 | BAY 21 | No change | |
| | 1TD22 | BAY 22 | No change | |
| | 1TD23 | BAY 23 | Repair oil piping | |
| | 1TD24 | BAY 24 | No change | |
| | 1TD25 | BAY 25 | No change | |
| 16-260-OPN-2 San Sewer | 1EW1 | Hallway | No change | No |
| | 1EW2 | Hallway | No change | |
| | 1EW3 | Hallway | No change | |
| | 1FD1 | Rest room | No change | |
| | 1FD2 | Equipment room | No change | |
| | 1FD3 | Equipment room | No change | |
| | 1FD4 | Equipment room | No change | |
| | 1FD5 | Equipment room | No change | |
| | 1LV1 | Rest room | No change | |
| | 1LV2 | Rest room | No change | |
| | 1LV3 | Rest room | No change | |

RECOMMENDATIONS REVIEWED BY PERSONNEL FROM WX-12, EM-8 & ENG-6

TABLE 2: TA 16-260 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|---------------------------------|-----------|----------------|---------------------------|-------------------|
| 16-260-OPN-2 (Cont) | 1LV4 | Rest room | No change | |
| | 1LV5 | Rest room | No change | |
| | 1SD1 | Equipment room | No change | |
| | 1SD2 | Equipment room | No change | |
| | 1SD3 | Coffee room | No change | |
| | 1SD4 | Equipment room | No change | |
| | 1TL1 | Rest room | No change | |
| | 1TL2 | Rest room | No change | |
| | 1TL3 | Rest room | No change | |
| | 1TD26 | Equipment room | No change | |
| | 1TD27 | Equipment room | No change | |
| | 1TD28 | Equipment room | No change | |
| | 1TD29 | Equipment room | No change | |
| | 1UR1 | Rest room | No change | |
| | 1UR2 | Rest room | No change | |
| | 1UR3 | Rest room | No change | |
| | 1WF1 | Hallway | No change | |
| | 1WF2 | Hallway | No change | |
| 1WF3 | Hallway | No change | | |
| 16-260-OPN-3 | N/A | Fire water | NOI | No |
| 16-260-OPN-4 | N/A | Fire water | NOI | No |
| 16-260-OPN-5 | N/A | Chiller drain | NOI | No |
| 16-260-OPN-6 | N/A | Fire water | NOI | No |
| 16-260-OPN-7 & 16-260-OPN-20 | RD1 | Roof | No change | No |
| | RD2 | Roof | No change | |
| | RD3 | Roof | No change | |
| | RD4 | Roof | No change | |
| | RD5 | Roof | No change | |
| | RD6 | Roof | No change | |
| | RD7 | Roof | No change | |
| | RD8 | Roof | No change | |
| | RD9 | Roof | No change | |
| | RD10 | Roof | No change | |
| | RD11 | Roof | No change | |
| | RD12 | Roof | No change | |

RECOMMENDATIONS REVIEWED BY PERSONNEL FROM WX-12, EM-8 & ENG-6

TABLE 2: TA 16-260 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|-------------------------------------|-----------|------------------|---------------------------|-------------------|
| 16-260-OPN-7 & 16-260-OPN-20 (Cont) | RD13 | Roof | No change | |
| | RD14 | Roof | No change | |
| | RD15 | Roof | No change | |
| | RD16 | Roof | No change | |
| 16-260-OPN-8 | N/A | Compressor drain | Containerize | No |
| 16-260-OPN-9 | N/A | Fire water | NOI | No |
| 16-260-OPN-10 | N/A | Fire water | NOI | No |
| 16-260-OPN-11 | N/A | Compressor drain | Containerize | No |
| 16-260-OPN-12 | N/A | Air dryer drain | Repipe to san sewer | No |
| 16-260-OPN-13 | N/A | Fire water | NOI | No |
| 16-260-OPN-14 | N/A | Fire water | NOI | No |
| 16-260-OPN-15 | N/A | Fire water | NOI | No |
| 16-260-OPN-16 | N/A | Fire water | NOI | No |
| 16-260-OPN-17 | 1FD9 | Hallway | Plug | No |
| 16-260-OPN-18 | RD17 | Roof | No change | No |
| 16-260-OPN-19 | N/A | Fire water | NOI | No |
| 16-260-OPN-21 | 1FD6 | Equipment room | Plug | No |
| | 1FD7 | Equipment room | Plug | |
| 16-260-OPN-22 | 1FD8 | Hallway | Plug | No |

RECOMMENDATIONS REVIEWED BY PERSONNEL FROM WX-12, EM-8 & ENG-6

TABLE 3: TA 16-261 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|----------------|-----------|---------------|---------------------------|-------------------|
| 16-261-OPN-1 | N/A | Fire water | NOI | No |
| 16-261-OPN-2 | N/A | Fire water | NOI | No |

TABLE 4: TA 16-263 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|----------------|-----------|---------------|---------------------------|-------------------|
| 16-263-OPN-1 | N/A | Fire water | NOI | No |
| 16-263-OPN-2 | N/A | Fire water | NOI | No |

TABLE 5: TA 16-265 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|------------------------|-----------|---------------|---------------------------|-------------------|
| 16-265-OPN-1 05A057 | 1EW1 | Rest house | Alarm sump | No |
| | 1SD1 | Rest house | No change | |
| | 1WF1 | Rest house | Use bottled water | |
| 16-265-OPN-2 | N/A | Fire water | NOI | No |
| 16-265-OPN-3 | N/A | Fire water | NOI | No |
| 16-265-OPN-4 | 1FD1 | Chiller drain | Verify/Plug | No |

TABLE 6: TA 16-267 DRAIN SUMMARY

| OUTFALL NUMBER | ID NUMBER | ROOM ACTIVITY | STATUS OR RECOMMENDATIONS | EPA FORM PREPARED |
|------------------------|-----------|---------------|---------------------------|-------------------|
| 16-267-OPN-1 05A149 | 1EW1 | Rest house | Alarm sump | No |
| | 1SD1 | Rest house | No change | |
| | 1WF1 | Rest house | Use bottled water | |
| 16-267-OPN-2 | N/A | Fire water | NOI | No |
| 16-267-OPN-3 | N/A | Fire water | NOI | No |
| 16-267-OPN-4 | 1FD1 | Chiller drain | Verify/Plug | No |

RECOMMENDATIONS REVIEWED WITH PERSONNEL FROM WX-12, EM-8 & ENG-6

TABLE 7: NON-DRAIN RECOMMENDATIONS

| TA # | BLDG. # | ROOM/AREA | RECOMMENDATION |
|-------------|----------------|------------------|--|
| 16 | 260 | EQUIP RMS. | PROVIDE CLOSED RECIRC COOLING WTR SYS OR REPLACE VAC PUMPS |
| 16 | 265 | REST HOUSE | DELETE 05A057 PERMIT |
| 16 | 267 | REST HOUSE | DELETE 05A149 PERMIT |
| 16 | 03S PLANT | CANYON | VERIFY SOURCE OF DISCH FOUND |

REPORT #

17

| TA | BLDG | OUTLET PIPING NO | EPA OUTFALL # | DRAIN # | ROOM # | DESCRIPTION | ROOM | RATE | FLOW | PERIODICITY | SEASONAL | SOURCE TYPES |
|----|------|---------------------|------------------|---------|---------|-------------------|------|------|------|-----------------|----------|----------------|
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD01 | BAY 1 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD02 | BAY 2 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD03 | BAY 3 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD04 | BAY 4 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD05 | BAY 5 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD06 | BAY 6 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD07 | BAY 7 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD08 | BAY 8 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD09 | BAY 9 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD10 | BAY 10 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD11 | BAY 11 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD12 | BAY 12 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD13 | BAY 13 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD14 | BAY 14 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD15 | BAY 15 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD16 | BAY 16 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD17 | BAY 17 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD18 | BAY 18 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD19 | BAY 19 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD20 | BAY 20 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD21 | BAY 21 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD22 | BAY 22 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD23 | BAY 23 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD24 | BAY 24 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-01 | 05A056 | 1TD25 | BAY 25 | HE PROCESSING BAY | | | | 4 DAYS PER WEEK | no | HE WASH DOWN |
| 16 | 260 | 16-260-OPN-02 | 03S | 1EW1 | HALLWAY | EYE WASH | | | | 4 DAYS PER WEEK | no | POTABLE WATER |
| 16 | 260 | 16-260-OPN-02 | 03S | 1EW2 | HALLWAY | EYE WASH | | | | 4 DAYS PER WEEK | no | POTABLE WATER |
| 16 | 260 | 16-260-OPN-02 | 03S | 1EW3 | HALLWAY | EYE WASH | | | | 4 DAYS PER WEEK | no | POTABLE WATER |
| 16 | 260 | 16-260-OPN-02 | 03S | 1FD1 | | REST ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1FD2 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1FD3 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1FD4 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1FD5 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |

REPORT #

17

| TA | BLDG | OUTLET PIPING NO | EPA OUTFALL # | DRAIN # | ROOM # | DESCRIPTION | ROOM | RATE | FLOW | PERIODICITY | SEASONAL | SOURCE TYPES |
|----|------|---------------------|------------------|---------|---------|----------------|------|------|------|-----------------|----------|---------------------|
| 16 | 260 | 16-260-OPN-02 | 03S | 1LV1 | | REST ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1LV2 | | REST ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1LV3 | | REST ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1LV4 | | REST ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1LV5 | | REST ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1SD1 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1SD2 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1SD3 | | COFFEE ROOM | | | | 4 DAYS PER WEEK | no | KITCHEN WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1SD4 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TD26 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TD27 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TD28 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TD29 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TL1 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TL2 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1TL3 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1UR1 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1UR2 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1UR3 | | REST ROOM | | | | 4 DAYS PER WEEK | no | SANITARY WASTE |
| 16 | 260 | 16-260-OPN-02 | 03S | 1WF1 | HALLWAY | WATER FOUNTAIN | | | | 4 DAYS PER WEEK | no | DRINKING WATER |
| 16 | 260 | 16-260-OPN-02 | 03S | 1WF2 | HALLWAY | WATER FOUNTAIN | | | | 4 DAYS PER WEEK | no | DRINKING WATER |
| 16 | 260 | 16-260-OPN-02 | 03S | 1WF3 | HALLWAY | WATER FOUNTAIN | | | | 4 DAYS PER WEEK | no | DRINKING WATER |
| 16 | 260 | 16-260-OPN-03 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-04 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-05 | N/A | N/A | | CHILLER DRAIN | | | | FLOW IS NIL | yes | CHILLED WATER DRAIN |
| 16 | 260 | 16-260-OPN-06 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD01 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD02 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD03 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD04 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD05 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD06 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD07 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |

REPORT #

17

| TA | BLDG | OUTLET PIPING NO | EPA OUTFALL # | DRAIN # | ROOM # | DESCRIPTION | ROOM | RATE | FLOW | PERIODICITY | SEASONAL | SOURCE TYPES |
|----|------|---------------------|------------------|---------|--------|----------------|------|------|------|-----------------|----------|----------------------|
| 16 | 260 | 16-260-OPN-07 | N/A | RD08 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD09 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD10 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD11 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD12 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD13 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD14 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD15 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-07 | N/A | RD16 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-08 | N/A | N/A | | EQUIPMENT ROOM | | | | FLOW IS NIL | no | AIR COMPRESSOR DRAIN |
| 16 | 260 | 16-260-OPN-09 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-10 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-11 | N/A | N/A | | EQUIPMENT ROOM | | | | 7 DAYS PER WEEK | no | AIR COMPRESSOR DRAIN |
| 16 | 260 | 16-260-OPN-12 | N/A | N/A | | EQUIPMENT ROOM | | | | FLOW IS NIL | no | AIR DRYER DRAIN |
| 16 | 260 | 16-260-OPN-13 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-14 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-15 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-16 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-17 | N/A | 1FD09 | | HALLWAY | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-18 | N/A | RD17 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-19 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD01 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD02 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD03 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD04 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD05 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD06 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD07 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD08 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD09 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD10 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD11 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD12 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |

REPORT #

17

| TA | BLDG | OUTLET PIPING NO | EPA OUTFALL # | DRAIN # | ROOM # | DESCRIPTION | ROOM | RATE | FLOW | PERIODICITY | SEASONAL | SOURCE TYPES |
|----|------|---------------------|------------------|---------|--------|---------------------|------|-------|------|------------------|----------|-------------------------|
| 16 | 260 | 16-260-OPN-20 | N/A | RD13 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD14 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD15 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-20 | N/A | RD16 | ROOF | ROOF | | | | MOSTLY SUMMER | yes | STORM WATER |
| 16 | 260 | 16-260-OPN-21 | N/A | 1FD6 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-21 | N/A | 1FD7 | | EQUIPMENT ROOM | | | | 4 DAYS PER WEEK | no | FLOOR WASHINGS |
| 16 | 260 | 16-260-OPN-22 | N/A | 1FD8 | | HALLWAY | | | | 4 DAYS PER WEEK | no | FIRE WATER |
| 16 | 261 | 16-261-OPN-1 | N/A | N/A | | FIRE WATER | | | | 1-2 TIMES PER YR | no | FIRE WATER |
| 16 | 261 | 16-261-OPN-2 | N/A | N/A | | FIRE WATER | | | | 1-2 TIMES PER YR | no | FIRE WATER |
| 16 | 263 | 16-263-OPN-1 | N/A | N/A | | FIRE WATER | | | | 1-2 TIMES PER YR | no | FIRE WATER |
| 16 | 263 | 16-263-OPN-2 | N/A | N/A | | FIRE WATER | | | | 1-2 TIMES PER YR | no | FIRE WATER |
| 16 | 265 | 16-265-OPN-1 | 05A057 | 1EW1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | POTABLE WATER |
| 16 | 265 | 16-265-OPN-1 | 05A057 | 1SD1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 265 | 16-265-OPN-1 | 05A057 | 1WF1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | DRINKING WATER |
| 16 | 265 | 16-265-OPN-2 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 265 | 16-265-OPN-3 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 265 | 16-265-OPN-4 | N/A | 1FD1 | | CHILLER DRAIN | | | | FLOW IS NIL | no | CHILLED WATER |
| 16 | 267 | 16-267-OPN-1 | 05A149 | 1EW1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | POTABLE WATER |
| 16 | 267 | 16-267-OPN-1 | 05A149 | 1SD1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | HAND WASHINGS |
| 16 | 267 | 16-267-OPN-1 | 05A149 | 1WF1 | | REST HOUSE | | | | 4 DAYS PER WEEK | no | DRINKING WATER |
| 16 | 267 | 16-267-OPN-2 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 267 | 16-267-OPN-3 | N/A | N/A | | FIRE WATER | | | | ANNUAL TEST | no | FIRE WATER |
| 16 | 267 | 16-267-OPN-4 | N/A | 1FD1 | | CHILLER DRAIN | | | | FLOW IS NIL | yes | CHILLED WATER |
| 16 | 268 | 16-268 | N/A | N/A | | PASSAGEWAY | | | | NO DRAINS | no | NONE |
| 16 | 269 | 16-269 | N/A | N/A | | PASSAGEWAY | | | | NO DRAINS | no | NONE |
| 16 | 270 | 16-270 | N/A | N/A | | PASSAGEWAY | | | | NO DRAINS | no | NONE |
| 16 | 271 | 16-271 | N/A | N/A | | PASSAGEWAY | | | | NO DRAINS | no | NONE |
| 16 | 277 | 16-277 | N/A | N/A | | STORAGE BUILDINGS | | | | NO DRAINS | no | NONE |
| 16 | 278 | 16-278 | N/A | N/A | | STORAGE BUILDINGS | | | | NO DRAINS | no | NONE |
| 16 | 530 | 16-530 | 03S | N/A | | IMHOFF TANK | | | | NO FLOW | no | SANITARY WASTE |
| 16 | 531 | 16-531 | 03S | N/A | | TRICKLING FILTER | | | | NO FLOW | no | SANITARY WASTE |
| 16 | 532 | 16-532-OPN-1 | 03S | N/A | | FINAL SETTLING TANK | | 30200 | GPD | CONTINUOUS | no | TREATED SANITARY SEWAGE |
| 16 | 533 | 16-533 | 03S | N/A | | SLUDGE DRYING BED | | | | 7 DAYS PER WEEK | no | SLUDGE |

REPORT #

17

| TA | BLDG | OUTLET PIPING NO | EPA OUTFALL # | DRAIN # | ROOM # | DESCRIPTION | ROOM | RATE | FLOW | PERIODICITY | SEASONAL | SOURCE TYPES |
|----|------|------------------|---------------|---------|--------|----------------|------|------|------|-----------------|----------|--------------|
| 16 | 535 | 16-535 | 03S | N/A | | DRYING BED | | | | 7 DAYS PER WEEK | no | SLUDGE |
| 16 | 1385 | 16-1385 | N/A | N/A | | TRANSPORTAINER | | | | NO DRAINS | no | NONE |
| 16 | 1412 | 16-1412 | N/A | N/A | | SEMI-TRAILER | | | | NO DRAINS | no | NONE |
| 16 | 1417 | 16-1417 | N/A | N/A | | TRAILER | | | | NO DRAINS | no | NONE |
| 16 | 1451 | 17-1451 | N/A | N/A | | GUARD HOUSE | | | | NO DRAINS | no | NONE |

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 <i>(list)</i> | 2. OPERATION(S) CONTRIBUTING FLOW <i>(list)</i> | 3. FREQUENCY | | 4. FLOW | | | | C. DUR- ATION <i>(in days)</i> |
|------------------------------------|---|---|---|---------------------------------|---------------------|--|---------------------|--------------------------------------|
| | | B. DAYS PER WEEK <i>(specify average)</i> | D. MONTHS PER YEAR <i>(specify average)</i> | B. FLOW RATE <i>(in mgd)</i> | | D. TOTAL VOLUME <i>(specify with units)</i> | | |
| | | | | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | |
| 056 | HIGH EXPLOSIVES DISCH | 4 | 12 | 2.6 X 10-4 | 3.6 X 10-4 | 260 GPD | 360 GPD | 4 H/D |

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 <i>(list outfall numbers)</i> |
|-----------------------------|---------------------|---|--|
| B. QUANTITY PER DAY | D. UNITS OF MEASURE | C. OPERATION, PRODUCT, MATERIAL, ETC. <i>(specify)</i> | |
| NA | | | |

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 | |
|--|----------------------|------------------------|---------------------------------|-------------------------------|-------------------|
| | B. NO. | D. SOURCE OF DISCHARGE | | B. RE- QUIRED | D. PRO- JECTED |
| | | | | | |

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

NM0890010515

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 |
|--------------|-----------|--------------|-----------|
| NA | | | |

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)

NM0890010515

OUTFALL NO
05A056

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)

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) | 3.4 | 3.3 | | | | | | mg/l | g/d | | | |
| b. Chemical Oxygen Demand (COD) | 32.5 | 32.0 | | | | | | mg/l | g/d | | | |
| c. Total Organic Carbon (TOC) | 8.8 | 8.7 | | | | | | mg/l | g/d | | | |
| d. Total Suspended Solids (TSS) | < 1 | < 984.1 | | | | | | mg/l | mg/d | | | |
| e. Ammonia (as N) | .43 | 423.2 | | | | | | mg/l | mg/d | | | |
| f. Flow | VALUE 260 | | VALUE | | VALUE | | | gal/day | | VALUE | | |
| g. Temperature (winter) | VALUE 18.2 | | VALUE | | VALUE | | | °C | | VALUE | | |
| h. Temperature (summer) | VALUE | | VALUE | | VALUE | | | °C | | VALUE | | |
| i. pH | MINIMUM 7.16 | MAXIMUM 9.0 | 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 | | | | | | |
| a. Bromide (24959-67-9) | | X | < .5 | < 492.1 | | | | | | mg/l | mg/d | | | |
| b. Chlorine, Total Residual | X | | .2 | 196.8 | | | | | | mg/l | mg/d | | | |
| c. Color | X | | 18 | | | | | | | units | | | | |
| d. Fecal Coliform | | X | | | | | | | | | | | | |
| e. Fluoride (16984-48-8) | X | | .32 | 314.9 | | | | | | mg/l | mg/d | | | |
| f. Nitrate-Nitrite (as N) | X | | .985 | 969.3 | | | | | | mg/l | mg/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 | b. MAXIMUM DAILY VALUE | | d. 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 | |
| g. Nitrogen, Total Organic (as N) | X | | 27.4 | 27.0 | | | | | | mg/l | g/d | | | |
| h. Oil and Grease | X | | 24 | 23.6 | | | | | | mg/l | g/d | | | |
| i. Phosphorus (as P), Total (7723-14-0) | X | | .07 | 68.9 | | | | | | mg/l | mg/d | | | |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha Total | X | | 5 | 4.9 | | | | | | pCi/l | nCi/d | | | |
| (2) Beta Total | X | | 3.8 | 3.7 | | | | | | pCi/l | nCi/d | | | |
| (3) Radium Total | X | | | | | | | | | | | | | |
| (4) Radium 226, Total | X | | .04 | 39.4 | | | | | | pCi/l | pCi/d | | | |
| k. Sulfate (as SO ₄) (14805-79-5) | X | | 6.02 | 5.9 | | | | | | mg/l | g/d | | | |
| l. Sulfate (as S) | | X | < .05 | < 49.2 | | | | | | mg/l | mg/d | | | |
| m. Sulfite (as SO ₃) (14265-45-3) | | X | | | | | | | | | | | | |
| n. Surfactants | X | | .36 | 354.3 | | | | | | mg/l | mg/d | | | |
| o. Aluminum, Total (7429-95-5) | | X | < .04 | < 39.4 | | | | | | mg/l | mg/d | | | |
| p. Barium, Total (7440-39-3) | X | | .76 | 747.9 | | | | | | mg/l | mg/d | | | |
| q. Boron, Total (7440-42-8) | X | | .03 | 29.5 | | | | | | mg/l | mg/d | | | |
| r. Cobalt, Total (7440-48-4) | | X | < .1 | < 98.4 | | | | | | mg/l | mg/d | | | |
| s. Iron, Total (7439-89-6) | X | | .28 | 275.5 | | | | | | mg/l | mg/d | | | |
| t. Magnesium, Total (7439-95-4) | X | | 3 | 3.0 | | | | | | mg/l | g/d | | | |
| u. Molybdenum, Total (7439-98-7) | X | | .042 | 41.3 | | | | | | mg/l | mg/d | | | |
| v. Manganese, Total (7439-96-5) | X | | .007 | 6.9 | | | | | | mg/l | mg/d | | | |
| w. Tin, Total (7440-31-5) | | X | < .050 | < 49.2 | | | | | | mg/l | mg/d | | | |
| x. Titanium, Total (7440-32-6) | | X | < .004 | < 3.9 | | | | | | mg/l | mg/d | | | |

| | |
|--|----------------|
| EPA I.D. NUMBER (copy from Item 1 of Form 1) | OUTFALL NUMBER |
| NM0890010515 | 05A056 |

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 | 8. 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 | 8. LONG TERM AVERAGE VALUE | | b. NO. OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| METALS, CYANIDE, AND TOTAL PHENOLS | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | < .050 | < 49.2 | | | | | | mg/l | mg/d | | | |
| 2M. Arsenic, Total (7440-38-2) | | | X | < .002 | < 1.968 | | | | | | mg/l | mg/d | | | |
| 3M. Beryllium, Total, 7440-41-7) | | | X | < .001 | < 984.1 | | | | | | mg/l | ug/d | | | |
| 4M. Cadmium, Total (7440-43-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 5M. Chromium, Total (7440-47-3) | | X | | .071 | 69.9 | | | | | | mg/l | mg/d | | | |
| 6M. Copper, Total (7440-50-8) | | X | | .032 | 31.5 | | | | | | mg/l | mg/d | | | |
| 7M. Lead, Total (7439-92-1) | | | X | < .050 | < 49.2 | | | | | | mg/l | mg/d | | | |
| 8M. Mercury, Total (7439-97-6) | | X | | .0002 | 196.8 | | | | | | mg/l | ug/d | | | |
| 9M. Nickel, Total (7440-02-0) | | X | | .11 | 108.3 | | | | | | mg/l | mg/d | | | |
| 10M. Selenium, Total (7782-49-2) | | | X | < .001 | < 984.1 | | | | | | mg/l | ug/d | | | |
| 11M. Silver, Total (7440-22-4) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 12M. Thallium, Total (7440 28 0) | | | X | < .4 | < 393.6 | | | | | | mg/l | mg/d | | | |
| 13M. Zinc, Total (7440 66-6) | | X | | .097 | 95.5 | | | | | | mg/l | mg/d | | | |
| 14M. Cyanide, Total (57-12-5) | | X | | .12 | 118.1 | | | | | | mg/l | mg/d | | | |
| 15M. Phenols, Total | | | X | < .01 | < 9.8 | | | | | | mg/l | mg/d | | | |
| DIOXIN | | | | | | | | | | | | | | | |
| 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) | | | |
|---|-------------------------|------------------|------------------|------------------------|----------|--|----------|--|----------|----------------------|------------------|----------------------|----------------------------|----------|----------------------|
| | d. TEST REQ. RE-QUIR-ED | b. DE-LEVEL-SENT | c. HI-LEVEL-SENT | a. MAXIMUM DAILY VALUE | | d. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANAL- YSES | a. CONCENTRATION | b. MASS | b. 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 - VOLATILE COMPOUNDS | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | | | X | | | | | | | | | | | | |
| 2V. Acrylonitrile (107-13-1) | | | X | | | | | | | | | | | | |
| 3V. Benzene (71-43-2) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 4V. Bis (Chloro- methyl) Ether (542-88-1) | | | X | | | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 6V. Carbon Tetrachloride (56-23-5) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 7V. Chlorobenzene (108-90-7) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 8V. Chlorodi- bromomethane (124-48-1) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 9V. Chloroethane (75-00-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 10V. 2-Chloro- ethylvinyl Ether (110-75-8) | | | X | | | | | | | | | | | | |
| 11V. Chloroform (67-66-3) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 12V. Dichloro- bromomethane (75-27-4) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 13V. Dichloro- difluoromethane (75-71-8) | | | X | | | | | | | | | | | | |
| 14V. 1,1-Dichloro- ethane (75-34-3) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 15V. 1,2-Dichloro- ethane (107-06-2) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 16V. 1,1 Dichloro ethylene (75-35-4) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 17V. 1,2 Dichloro propane (78-87-5) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 18V. 1,3 Dichloro- propylene (542-75-6) | | | X | | | | | | | | | | | | |
| 19V. Ethylbenzene (100-41-4) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | |
| 20V. Methyl Bromide (74-83-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 21V. Methyl Chloride (74-87-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NM0890010515** OUTFALL NUMBER **05A056**

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

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. BEING PRESENT | c. BEING ABSENT | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVRG. VALUE (if available) | | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NO. OF ANALYSES | |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | | |
| GC/MS FRACTION - VOLATILE COMPOUNDS (continued) | | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 23V. 1,1,2,2-Tetrachloroethane (78-34-8) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 24V. Tetrachloroethylene (127-18-4) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 25V. Toluene (108-88-3) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 26V. 1,2-Trans-Dichloroethylene (156-60-8) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 27V. 1,1,1-Trichloroethane (71-55-6) | | X | | .006 | 5.9 | | | | | | mg/l | mg/d | | | | |
| 28V. 1,1,2-Trichloroethane (78-00-5) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 29V. Trichloroethylene (79-01-6) | | | X | < .005 | < 4.9 | | | | | | mg/l | mg/d | | | | |
| 30V. Trichlorofluoromethane (75-69-4) | | X | | .0084 | 8.3 | | | | | | mg/l | mg/d | | | | |
| 31V. Vinyl Chloride (75-01-4) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| GC/MS FRACTION - ACID COMPOUNDS | | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 5A. 2,4-Dinitrophenol (51-28-5) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 6A. 2-Nitrophenol (88-75-5) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 7A. 4-Nitrophenol (100-02-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 8A. p-Chloro-M-Cresol (59-50-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 9A. Pentachlorophenol (87-86-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 10A. Phenol (108-95-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | | |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | < .010 | < 9.8 | | | | | | 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 REQUIR-ED | B. BELIEVED PRE-SENT | C. BELIEVED AB-SENT | 8. MAXIMUM DAILY VALUE | | D. MAXIMUM 30 DAY VALUE (if available) | | E. LONG TERM AVRG. VALUE (if available) | | I. NO. OF ANAL- YSES | a. CONCENTRATION | b. MASS | 8. LONG TERM AVERAGE VALUE | | h. NO. OF ANAL YSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| 3C/MS FRACTION - BASE/NEUTRAL COMPOUNDS | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 2B. Acenaphthylene (208-96-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 3B. Anthracene (120-12-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 4B. Benzidine (92-87-5) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 5B. Benzo (a) Anthracene (56-98-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 6B. Benzo (a) Pyrene (50-32-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 7B. 3,4-Benzofluoranthene (205-99-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 8B. Benzo (ghi) Perylene (191-24-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 9B. Benzo (jk) Fluoranthene (207-08-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 10B. Bis (2-Chloroethoxy) Methane (111-91-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 11B. Bis (2-Chloroethyl) Ether (111-44-4) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 12B. Bis (2-Chloropropyl) Ether (102-60-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 13B. Bis (2-Ethylhexyl) Phthalate (117-81-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 18B. Chrysene (218-01-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | < .010 | < 9.8 | | | | | | 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) | | | | | |
|--|---------------------|---------------------|--------------------|------------------------|----------|--|----------|---|----------|----------------------|------------------|---------|----------------------------|----------|--------------------|
| | A. TESTING REQUIRED | B. BELIEVED PRESENT | C. BELIEVED ABSENT | B. 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 | 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 | |
| 3.0. MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 23B. 3,3'-Dichlorobenzidine (91-94-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 24B. Diethyl Phthalate (84-66-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 28B. 2,6-Dinitrotoluene (606-20-2) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 31B. Fluoranthene (206-44-0) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 32B. Fluorene (86-73-7) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 33B. Hexachlorobenzene (118-74-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 36B. Hexachloroethane (67-72-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 38B. Isophorone (78-59-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 39B. Naphthalene (91-20-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 40B. Nitrobenzene (98-95-3) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | < .010 | < 9.8 | | | | | | 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 RE-QUIR-ED | 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. CONCEN-TRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NO. OF ANAL-YSES |
| | | | | (1) CONCEN-TRATION | (2) MASS | (1) CONCEN-TRATION | (2) MASS | (1) CONCEN-TRATION | (2) MASS | | | | (1) CONCEN-TRATION | (2) MASS | |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 43B. N-Nitrosodiphenylamine (86-30-6) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 44B. Phenanthrene (85-01-8) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 45B. Pyrene (129-00-0) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | < .010 | < 9.8 | | | | | | mg/l | mg/d | | | |
| GC/MS FRACTION - PESTICIDES | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < .06 | < 59.0 | | | | | | ug/l | ug/d | | | |
| 2P. α -BHC (319-84-6) | | | X | < 1.0 | < 984.1 | | | | | | ug/l | ug/d | | | |
| 3P. β -BHC (319-85-7) | | | X | < .4 | < 393.6 | | | | | | ug/l | ug/d | | | |
| 4P. γ -BHC (58-89-9) | | | X | < .12 | < 118.1 | | | | | | ug/l | ug/d | | | |
| 5P. δ -BHC (319-86-8) | | | X | < .24 | < 236.2 | | | | | | ug/l | ug/d | | | |
| 6P. Chlordane (57-74-9) | | | X | < .25 | < 246.0 | | | | | | ug/l | ug/d | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | < .06 | < 59.0 | | | | | | ug/l | ug/d | | | |
| 8P. 4,4'-DDE (72-66-9) | | | X | < .08 | < 78.7 | | | | | | ug/l | ug/d | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | < .08 | < 78.7 | | | | | | ug/l | ug/d | | | |
| 10P. Dieldrin (60-57-1) | | | X | < .08 | < 78.7 | | | | | | ug/l | ug/d | | | |
| 11P. α -Endosulfan (115-29-7) | | | X | < .05 | < 49.2 | | | | | | ug/l | ug/d | | | |
| 12P. β -Endosulfan (115-29-7) | | | X | < .08 | < 78.7 | | | | | | ug/l | ug/d | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < .09 | < 88.6 | | | | | | ug/l | ug/d | | | |
| 14P. Endrin (72-20-8) | | | X | < .06 | < 59.0 | | | | | | ug/l | ug/d | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < .31 | < 305.1 | | | | | | ug/l | ug/d | | | |
| 16P. Heptachlor (76-44-8) | | | X | < .15 | < 147.6 | | | | | | ug/l | ug/d | | | |

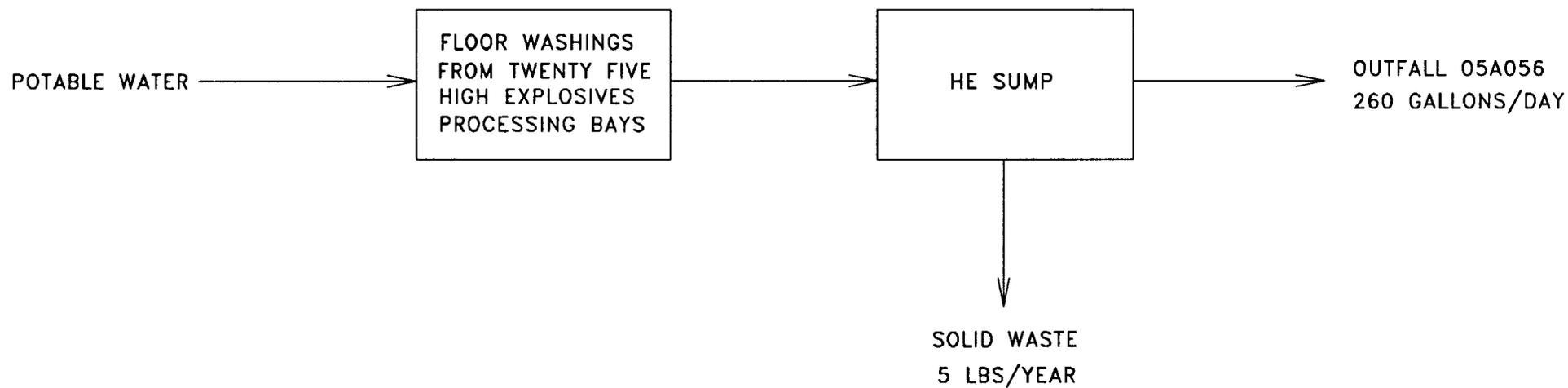
FPA I.D. NUMBER (copy from Item 1 of Form 1) **NM0890010515** OUTFALL NUMBER **05A056**

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

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 | A. LONG TERM AVERAGE VALUE | | D. NO. OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| µG/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 7P. Heptachlor epoxide (1024-57-3) | | | X | < .08 | < 78.7 | | | | | | ug/l | ug/d | | | |
| 8P. PCB-1242 (53469-21-9) | | | X | < 2.0 | < 1.968 | | | | | | ug/l | mg/d | | | |
| 9P. PCB-1254 (11097-89-1) | | | X | < 2.0 | < 1.968 | | | | | | ug/l | mg/d | | | |
| 10P. PCB-1221 (11104-28-2) | | | X | | | | | | | | | | | | |
| 11P. PCB-1232 (11141-16-5) | | | X | | | | | | | | | | | | |
| 12P. PCB-1248 (12672-29-6) | | | X | | | | | | | | | | | | |
| 13P. PCB-1260 (11098-82-5) | | | X | < 2.0 | < 1.968 | | | | | | ug/l | mg/d | | | |
| 14P. PCB-1016 (12674-11-2) | | | X | | | | | | | | | | | | |
| 15P. Toxaphene (8001-35-2) | | | X | < 2.5 | < 2.5 | | | | | | ug/l | mg/d | | | |

OUTFALL 16-260-OPN-1
05A056



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 | | | | |
|-----------------------------|---|---------------------------------------|---|-----------------------|------------------|--------------------------------------|------------------|-----------------------|
| | | a. DAYS PER WEEK (specify average) | b. MONTHS PER YEAR (specify average) | a. FLOW RATE (in mgd) | | b. TOTAL VOLUME (specify with units) | | c. DURATION (in days) |
| | | | | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | 1. LONG TERM AVERAGE | 2. MAXIMUM DAILY | |
| | | | | | | | | |

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) | |
| NA | | | |

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. NA | 2. AFFECTED OUTFALLS | | 3. BRIEF DESCRIPTION OF PROJECT | 4. FINAL COMPLIANCE DATE | |
|---|----------------------|------------------------|---------------------------------|--------------------------|--------------|
| | a. NO. | b. SOURCE OF DISCHARGE | | a. REQUIRED | b. PROJECTED |
| | | | | | |

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

NM0890010515

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 |
|--------------|-----------|--------------|-----------|
| NA | | | |

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)

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 discharge points 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)

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 each and pollutants analyzed by each such laboratory or firm below)

NO (Go to Section IX)

| A NAME | B ADDRESS | C TELEPHONE (City, State & No.) | D POLLUTANTS ANALYZED |
|--------|-----------|------------------------------------|-----------------------|
| | | | |

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, DOE AREA MANAGER | B PHONE NO. (City, State & No.) 505-667-5105 |
| ALLEN J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS | 505-667-9390 |
| C SIGNATURE | D DATE SIGNED |

NM0890010515

OUTFALL NO
03S

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)

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 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. Biochemical Oxygen Demand (BOD) | 2.5 | 285.8 | | | | | | mg/l | g/d | | | |
| b. Chemical Oxygen Demand (COD) | < 10.0 | < 1.1 | | | | | | mg/l | kg/d | | | |
| c. Total Organic Carbon (TOC) | 4.3 | 491.5 | | | | | | mg/l | g/d | | | |
| d. Total Suspended Solids (TSS) | < 1.0 | < 114.3 | | | | | | mg/l | g/d | | | |
| e. Ammonia (as N) | < 0.1 | < 11.4 | | | | | | mg/l | g/d | | | |
| f. Flow | VALUE 30200 | | VALUE | | VALUE | | | gal/day | | VALUE | | |
| g. Temperature (winter) | VALUE NA | | VALUE | | VALUE | | | °C | | VALUE | | |
| h. Temperature (summer) | VALUE NA | | VALUE | | VALUE | | | °C | | VALUE | | |
| i. pH | MINIMUM | MAXIMUM | 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 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 | < 0.5 | < 57.2 | | | | | | mg/l | g/d | | | |
| b. Chlorine, Total Residual | | X | 0.0 | | | | | | | mg/l | mg/d | | | |
| c. Color | X | | 26.0 | | | | | | | units | | | | |
| d. Fecal Coliform | X | | 539.25 | 592.2 | | | | | | CFU/100ml | CFU/day | | | |
| e. Fluoride (16984-48-8) | X | | .33 | 37.7 | | | | | | mg/l | g/d | | | |
| f. Nitrate-Nitrite (as N) | X | | 4.26 | 486.9 | | | | | | 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 | 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 | 8. 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 | < 0.5 | < 57.2 | | | | | | mg/l | g/d | | | |
| h. Oil and Grease | X | | 1.24 | 141.7 | | | | | | mg/l | g/d | | | |
| i. Phosphorus (as P), Total (7722-14-0) | X | | 1.12 | 128.0 | | | | | | mg/l | g/d | | | |
| j. Radioactivity | | | | | | | | | | | | | | |
| (1) Alpha Total | X | | 3.0 | 342.9 | | | | | | pCi/l | nCi/l | | | |
| (2) Beta Total | X | | 4.2 | 480.1 | | | | | | pCi/l | nCi/l | | | |
| (3) Gamma Total | X | | | | | | | | | | | | | |
| (4) Radium 226, Total | X | | .06 | 6.9 | | | | | | pCi/l | nCi/l | | | |
| k. Sulfate (as SO ₄) (14809-76-8) | X | | 6.87 | 785.3 | | | | | | mg/l | g/d | | | |
| l. Sulfide (as S) | | X | < 0.05 | < 5.7 | | | | | | mg/l | g/d | | | |
| m. Sulfite (as SO ₃) (14268-48-3) | | X | | | | | | | | | | | | |
| n. Surfactants | | X | < .1 | < 11.4 | | | | | | mg/l | g/d | | | |
| o. Aluminum, Total (7429-90-5) | X | | 0.04 | 4.6 | | | | | | mg/l | g/d | | | |
| p. Barium, Total (7440-39-3) | X | | 0.04 | 4.6 | | | | | | mg/l | g/d | | | |
| q. Boron, Total (7440-42-8) | X | | 0.02 | 2.3 | | | | | | mg/l | g/d | | | |
| r. Cobalt, Total (7440-48-4) | | X | < .1 | < 11.4 | | | | | | mg/l | g/d | | | |
| s. Iron, Total (7439-89-6) | X | | 1.1 | 125.7 | | | | | | mg/l | g/d | | | |
| t. Magnesium, Total (7439-95-4) | X | | 3.1 | 354.4 | | | | | | mg/l | g/d | | | |
| u. Molybdenum, Total (7439-98-7) | | X | < .02 | < 2.3 | | | | | | mg/l | g/d | | | |
| v. Manganese, Total (7439-96-5) | X | | .01 | 1.1 | | | | | | mg/l | g/d | | | |
| w. Tin, Total (7440-31-5) | | X | < .050 | < 5.7 | | | | | | mg/l | g/d | | | |
| x. Titanium, Total (7440-32-6) | | X | < .004 | < 457.2 | | | | | | mg/l | mg/d | | | |

NM0890010515

03S

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 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) | | | | | |
|--|---------------------|---------------------|--------------------|------------------------|----------|--|----------|--|----------|----------------------|------------------|---------|----------------------------|----------|--------------------|
| | B. TESTING REQUIRED | D. BELIEVED PRESENT | C. BELIEVED ABSENT | 8. MAXIMUM DAILY VALUE | | D. MAXIMUM 30 DAY VALUE (if available) | | C. LONG TERM AVG. VALUE (if available) | | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | 8. LONG TERM AVERAGE VALUE | | b. NO. OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| METALS, CYANIDE, AND TOTAL PHENOLS | | | | | | | | | | | | | | | |
| 1M. Antimony, Total (7440-36-0) | | | X | < .050 | < 5.7 | | | | | | mg/l | g/d | | | |
| 2M. Arsenic, Total (7440-38-2) | | | X | < .002 | < 228.6 | | | | | | mg/l | mg/d | | | |
| 3M. Beryllium, Total, 7440-41-7) | | | X | < .001 | < 114.3 | | | | | | mg/l | mg/d | | | |
| 4M. Cadmium, Total (7440-43-9) | | | X | < .010 | < 1.1 | | | | | | mg/l | g/d | | | |
| 5M. Chromium, Total (7440-47-3) | | X | | 0.28 | 32.0 | | | | | | mg/l | g/d | | | |
| 6M. Copper, Total (7440-50-8) | | X | | .029 | 3.3 | | | | | | mg/l | g/d | | | |
| 7M. Lead, Total (7439-92-1) | | X | | .050 | 5.7 | | | | | | mg/l | g/d | | | |
| 8M. Mercury, Total (7439-97-6) | | X | | 0.52 | 59.4 | | | | | | mg/l | g/d | | | |
| 9M. Nickel, Total (7440-02-0) | | X | | 0.12 | 13.7 | | | | | | mg/l | g/d | | | |
| 10M. Selenium, Total (7782-49-2) | | | X | < .001 | < 114.3 | | | | | | mg/l | mg/d | | | |
| 11M. Silver, Total (7440-22-4) | | | X | < .010 | < 1.1 | | | | | | mg/l | g/d | | | |
| 12M. Thallium, Total (7440-28-0) | | | X | < 0.4 | < 45.7 | | | | | | mg/l | g/d | | | |
| 13M. Zinc, Total (7440-66-6) | | X | | .041 | 4.7 | | | | | | mg/l | g/d | | | |
| 14M. Cyanide, Total (57-12-5) | | | X | < .01 | < 1.1 | | | | | | mg/l | g/d | | | |
| 15M. Phenols, Total | | X | X | .01 | 1.1 | | | | | | mg/l | g/d | | | |
| DIOXIN | | | | | | | | | | | | | | | |
| 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 PRESENT | a. MAXIMUM DAILY VALUE | | b. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVRG. VALUE (if available) | | d. NO. OF ANALYSES | a. CONCENTRATION | b. MASS | a. LONG TERM AVERAGE VALUE | | b. NO. OF ANALYSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCENTRATION | (2) MASS | |
| GC/MS FRACTION - VOLATILE COMPOUNDS | | | | | | | | | | | | | | | |
| 1V. Acrolein (107-02-8) | | | X | | | | | | | | | | | | |
| 2V. Acrylonitrile (107-13-1) | | | X | | | | | | | | | | | | |
| 3V. Benzene (71-43-2) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 4V. Bis (Chloromethyl) Ether (542-88-1) | | | X | | | | | | | | | | | | |
| 5V. Bromoform (75-25-2) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 6V. Carbon Tetrachloride (56-23-5) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 7V. Chlorobenzene (108-90-7) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 8V. Chlorodibromomethane (124-48-1) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 9V. Chloroethane (75-00-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 10V. 2-Chloroethylvinyl Ether (110-75-8) | | | X | | | | | | | | | | | | |
| 11V. Chloroform (67-66-3) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 12V. Dichlorobromomethane (75-27-4) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 13V. Dichlorodifluoromethane (75-71-8) | | | X | | | | | | | | | | | | |
| 14V. 1,1-Dichloroethane (75-34-3) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 15V. 1,2-Dichloroethane (107-06-2) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 16V. 1,1-Dichloroethylene (75-35-4) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 17V. 1,2-Dichloropropane (78-87-5) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 18V. 1,3-Dichloropropylene (542-75-6) | | | X | | | | | | | | | | | | |
| 19V. Ethylbenzene (100-41-4) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 20V. Methyl Bromide (74-83-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 21V. Methyl Chloride (74-87-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |

EPA I.D. NUMBER (copy from Item 1 of Form 1) **NM0890010515** OUTFALL NUMBER **03S**

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

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 | B. MAXIMUM DAILY VALUE | | D. MAXIMUM 30 DAY VALUE (if available) | | C. LONG TERM AVRG. 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 | | | | (1) CONCENTRATION | (2) MASS | |
| GC/MS FRACTION – VOLATILE COMPOUNDS (continued) | | | | | | | | | | | | | | | |
| 22V. Methylene Chloride (75-09-2) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 23V. 1,1,2,2-Tetrachloroethane (79-34-5) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 24V. Tetrachloroethylene (127-18-4) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 25V. Toluene (108-88-3) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 26V. 1,2-Trans-Dichloroethylene (156-60-5) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 27V. 1,1,1-Trichloroethane (71-55-6) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 28V. 1,1,2-Trichloroethane (79-00-5) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 29V. Trichloroethylene (79-01-6) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 30V. Trichlorofluoromethane (75-69-4) | | | X | < .005 | < 571.5 | | | | | | mg/l | mg/d | | | |
| 31V. Vinyl Chloride (75-01-4) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| GC/MS FRACTION – ACID COMPOUNDS | | | | | | | | | | | | | | | |
| 1A. 2-Chlorophenol (95-57-8) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 2A. 2,4-Dichlorophenol (120-83-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 3A. 2,4-Dimethylphenol (105-67-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 4A. 4,6-Dinitro-O-Cresol (534-52-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 5A. 2,4-Dinitrophenol (51-28-8) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 6A. 2-Nitrophenol (88-75-5) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 7A. 4-Nitrophenol (100-02-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 8A. p-Chloro-M-Cresol (59-50-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 9A. Pentachlorophenol (87-86-5) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 10A. Phenol (108-95-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 11A. 2,4,6-Trichlorophenol (88-06-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |

CONTINUED FROM THE FRONT

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MARK 'X' | | | 3. EFFLUENT | | | | | | 4. UNITS | | 5. INTAKE (optional) | | | |
|---|-------------------|-----------------------|----------------------|------------------------|----------|--|----------|---|----------|--------------------|-------------------|----------------------|----------------------------|----------|--------------------|
| | a. TESTING EQUIP. | b. BE-RIEVED PRE-SENT | c. BE-LIEVED AN-SENT | 8. MAXIMUM DAILY VALUE | | d. MAXIMUM 30 DAY VALUE (if available) | | c. LONG TERM AVRG. VALUE (if available) | | f. NO OF ANAL-YSES | a. CONCEN-TRATION | b. MASS | 8. LONG TERM AVERAGE VALUE | | b. NO OF ANAL-YSES |
| | | | | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | (1) CONCENTRATION | (2) MASS | | | | (1) CONCEN-TRATION | (2) MASS | |
| GC/MS FRACTION - BASE/NEUTRAL COMPOUNDS | | | | | | | | | | | | | | | |
| 1B. Acenaphthene (83-32-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 2B. Acenaphthylene (208-96-8) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 3B. Anthracene (120-12-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 4B. Benzidine (92-87-5) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 5B. Benzo (a) Anthracene (56-85-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 6B. Benzo (a) Pyrene (50-32-8) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 7B. 3,4-Benzo-fluoranthene (206-99-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 8B. Benzo (ghi) Perylene (191-24-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 9B. Benzo (h) Fluoranthene (207-08-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 10B. Bis (2-Chloroethoxy) Methane (111-91-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 11B. Bis (2-Chloroethyl) Ether (111-44-4) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 12B. Bis (2-Chloropropyl) Ether (102-60-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 13B. Bis (2-Ethylhexyl) Phthalate (117-81-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 14B. 4-Bromophenyl Phenyl Ether (101-55-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 15B. Butyl Benzyl Phthalate (85-68-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 16B. 2-Chloronaphthalene (91-58-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 17B. 4-Chlorophenyl Phenyl Ether (7005-72-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 18B. Chrysene (218-01-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 19B. Dibenzo (a,h) Anthracene (53-70-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 20B. 1,2-Dichlorobenzene (95-50-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |
| 21B. 1,3-Dichlorobenzene (541-73-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | mg/d | | | |

NM0890010515

03S

CONTINUED FROM PAGE V-6

| 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 | 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) | | | | | | | | | | | | | | | |
| 22B. 1,4-Dichlorobenzene (106-46-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 23B. 3,3'-Dichlorobenzidine (91-94-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 24B. Diethyl Phthalate (84-86-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 25B. Dimethyl Phthalate (131-11-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 26B. Di-N-Butyl Phthalate (84-74-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 27B. 2,4-Dinitrotoluene (121-14-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 28B. 2,6-Dinitrotoluene (806-20-2) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 29B. Di-N-Octyl Phthalate (117-84-0) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 31B. Fluoranthene (206-44-0) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 32B. Fluorene (86-73-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 33B. Hexachlorobenzene (118-76-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 34B. Hexachlorobutadiene (87-68-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 35B. Hexachlorocyclopentadiene (77-47-4) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 36B. Hexachloroethane (67-72-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 37B. Indeno (1,2,3-cd) Pyrene (193-39-5) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 38B. Isophorone (78-59-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 39B. Naphthalene (91-20-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 40B. Nitrobenzene (98-95-3) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 41B. N-Nitrosodimethylamine (62-75-9) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 42B. N-Nitrosodi-N-Propylamine (621-64-7) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |

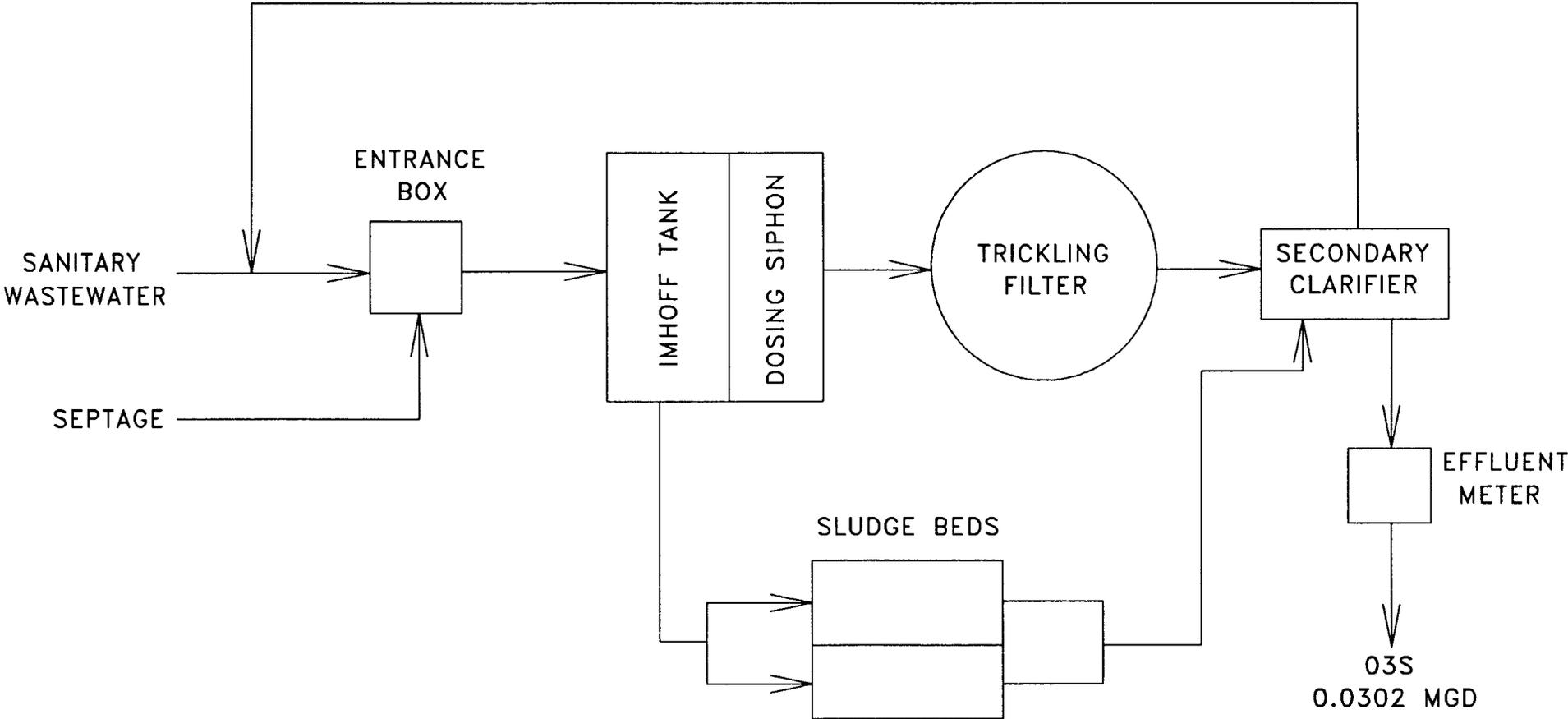
CONTINUED FROM THE FRONT

| 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 | B. 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 | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 44B. Phenanthrene (85-01-8) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 45B. Pyrene (129-00-0) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| 46B. 1,2,4-Trichlorobenzene (120-82-1) | | | X | < .010 | < 1.143 | | | | | | mg/l | g/d | | | |
| GC/MS FRACTION - PESTICIDES | | | | | | | | | | | | | | | |
| 1P. Aldrin (309-00-2) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |
| 2P. α -BHC (319-84-6) | | | X | < .04 | < 4.6 | | | | | | ug/l | mg/d | | | |
| 3P. β -BHC (319-85-7) | | | X | < 0.1 | < 11.4 | | | | | | ug/l | mg/d | | | |
| 4P. γ -BHC (58-89-9) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |
| 5P. δ -BHC (319-86-8) | | | X | < .12 | < 13.7 | | | | | | ug/l | mg/d | | | |
| 6P. Chlordane (67-74-9) | | | X | < .25 | < 28.6 | | | | | | ug/l | mg/d | | | |
| 7P. 4,4'-DDT (50-29-3) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |
| 8P. 4,4'-DDE (72-55-9) | | | X | < .12 | < 13.7 | | | | | | ug/l | mg/d | | | |
| 9P. 4,4'-DDD (72-54-8) | | | X | < .12 | < 13.7 | | | | | | ug/l | mg/d | | | |
| 10P. Dieldrin (60-57-1) | | | X | < .12 | < 13.7 | | | | | | ug/l | mg/d | | | |
| 11P. α -Endosulfan (115-29-7) | | | X | < .05 | < 5.7 | | | | | | ug/l | mg/d | | | |
| 12P. β -Endosulfan (115-29-7) | | | X | < .08 | < 9.1 | | | | | | ug/l | mg/d | | | |
| 13P. Endosulfan Sulfate (1031-07-8) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |
| 14P. Endrin (72-20-8) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |
| 15P. Endrin Aldehyde (7421-93-4) | | | X | < .31 | < 35.4 | | | | | | ug/l | mg/d | | | |
| 16P. Heptachlor (76-44-8) | | | X | < .09 | < 10.3 | | | | | | ug/l | mg/d | | | |

CONTINUED FROM PAGE V-8

| 1. POLLUTANT AND CAS NUMBER (if available) | 2. MARK 'X' | | | 3. EFFLUENT | | | | d. NO. OF ANALYSES | 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 AVRG. VALUE (if available) | | 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 | |
| GC/MS FRACTION - PESTICIDES (continued) | | | | | | | | | | | | | | | |
| 17P. Heptachlor Epoxide (1024-57-3) | | | X | < .12 | < 13.7 | | | | | ug/l | mg/d | | | | |
| 18P. PCB-1242 (53469-21-9) | | | X | < .83 | < 94.9 | | | | | ug/l | mg/d | | | | |
| 19P. PCB-1254 (11097-69-1) | | | X | < .83 | < 94.9 | | | | | ug/l | mg/d | | | | |
| 20P. PCB-1221 (11104-28-2) | | | X | NOT DETECTED | | | | | | | | | | | |
| 21P. PCB-1232 (11141-16-5) | | | X | NOT DETECTED | | | | | | | | | | | |
| 22P. PCB-1248 (12672-29-6) | | | X | NOT DETECTED | | | | | | | | | | | |
| 23P. PCB-1260 (11096-82-5) | | | X | < .83 | < 94.9 | | | | | ug/l | mg/d | | | | |
| 24P. PCB-1016 (12674-11-2) | | | X | NOT DETECTED | | | | | | | | | | | |
| 25P. Toxaphene (8001-35-2) | | | X | < 2.5 | < 285.8 | | | | | ug/l | mg/d | | | | |

TA-16 SANITARY TREATMENT PLANT



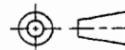
DYE TESTED 09-91

| PART OR CONTROL NUMBER | REVISIONS | | DESCRIPTION |
|------------------------|-----------|--------------|--|
| | ISS | CLASS REVIEW | |
| N/A | A | LS | DRAWN BY - ABERCROMBIE 7-11-91 CHECKER - PALMER 7-11-91 ENGINEER - PALMER 7-11-91 APPROVED - BARR 7-11-91 |

TA - 16 - 260

INDEX SHEET

- 13Y-192075 SHT 1----SITE DRAINAGE PLAN
- 13Y-192075 SHT 2----FIRST FLOOR PLUMBING DRAIN PLAN
- 13Y-192075 SHT 3----SECOND FLOOR PLUMBING AND DRAIN PLAN
- 13Y-192075 SHT 4----ROOF DRAIN PLAN
- 13Y-192075 SHT 5----POTENTIAL EFFLUENT
- 13Y-192075 SHT 6----FIRST FLOOR ELECTRICAL HAZARD ZONES
- 13Y-192075 SHT 7----SECOND FLOOR ELECTRICAL HAZARD ZONES
- 13Y-192075 SHT 8----FIRST FLOOR EVACUATION PLAN
- 13Y-192075 SHT 9----SECOND FLOOR EVACUATION PLAN

| | | | | | |
|--|---|----------------------------------|----------------|-----------|------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | | | |
| SHEET | 0 | TITLE (UNC) TITLE CLASSIFICATION | | | |
| ISSUE | A | INDEX SHEET TA-16-260 | | | |
| PART CLASSIFICATION | | UNCLASSIFIED | | | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER | | |
| UNCLASSIFIED | | D | 13Y-192075 | | |
| THIRD ANGLE PROJECTION  | | 07-16-92 14:37 | FSCM 88516 | SCALE 1/1 | SHEET 0 OF |
| STATUS | | ORIGIN LA-1CEMPLUS-V2.03 | | | |

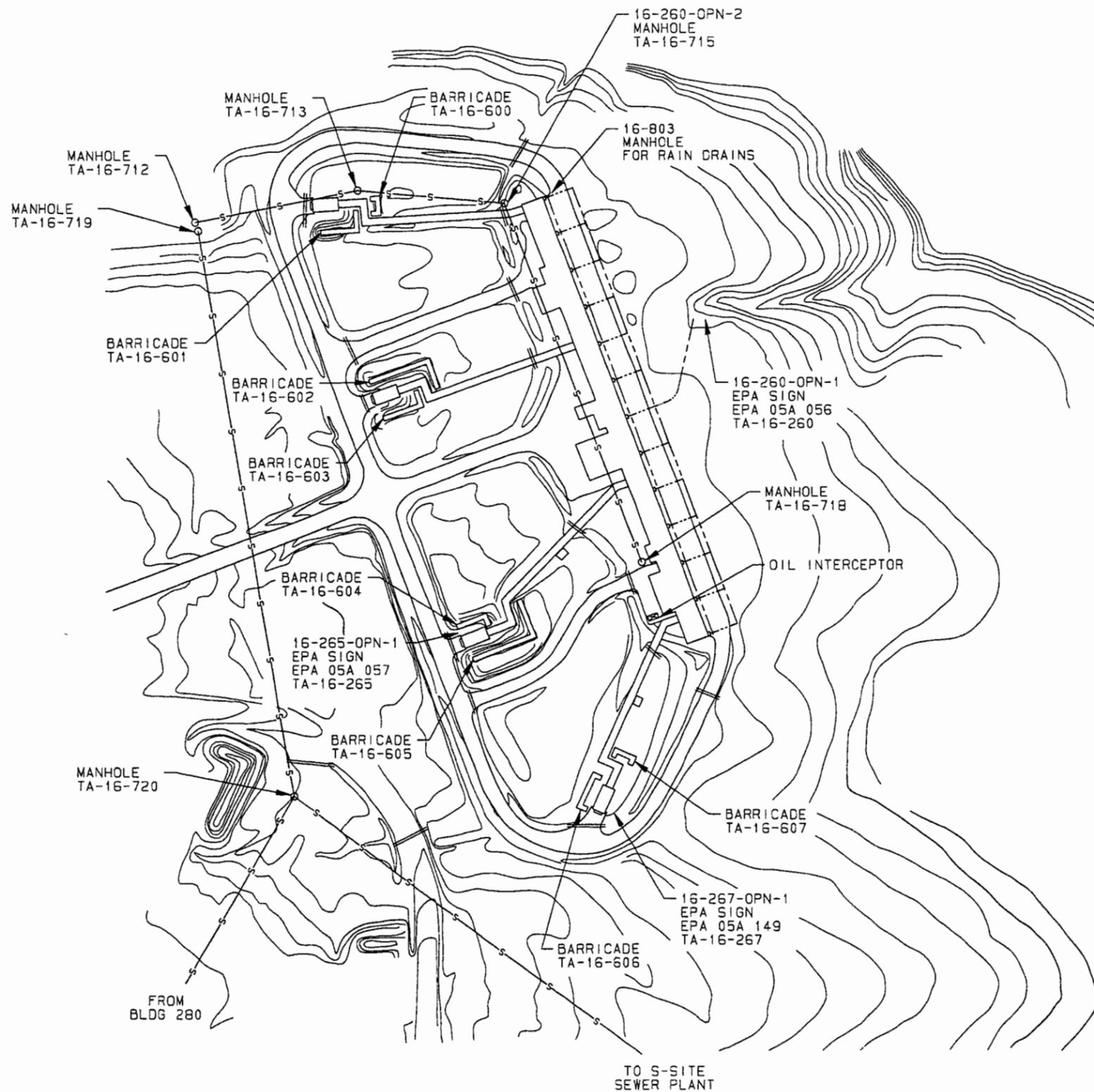
4 UNCLASSIFIED

3 UNCLASSIFIED

2 UNCLASSIFIED

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | REVISIONS | | DESCRIPTION |
|------------------------|-----------|--------------|--|
| | ISS | CLASS REVIEW | |
| N/A | A | | DRAWN BY - ABERCROMBIE 7-9-91 CHECKER - PALMER 7-9-91 ENGINEER - PALMER 7-9-91 APPROVED - BARR 7-9-91 |



LEGEND:

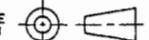
SEWER LINE S —

CONTOURS ARE SHOWN AT 2 FT. INTERVALS

| | | | |
|------------------------|---|---------------------------------|-------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 1 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | SITE DRAINAGE PLAN TA-16-260 | |
| PART CLASSIFICATION | | SIZE | DRAWING NUMBER |
| UNCLASSIFIED | | D | 13Y-192075 |
| DRAWING CLASSIFICATION | | STATUS | ORIGIN LA-1CEPLUS-V2.03 |
| UNCLASSIFIED | | 07-15-92 15:04 | FSCW 88516 SCALE SHEET 1 OF - |

ENGLISH (FT/IN)

THIRD ANGLE PROJECTION



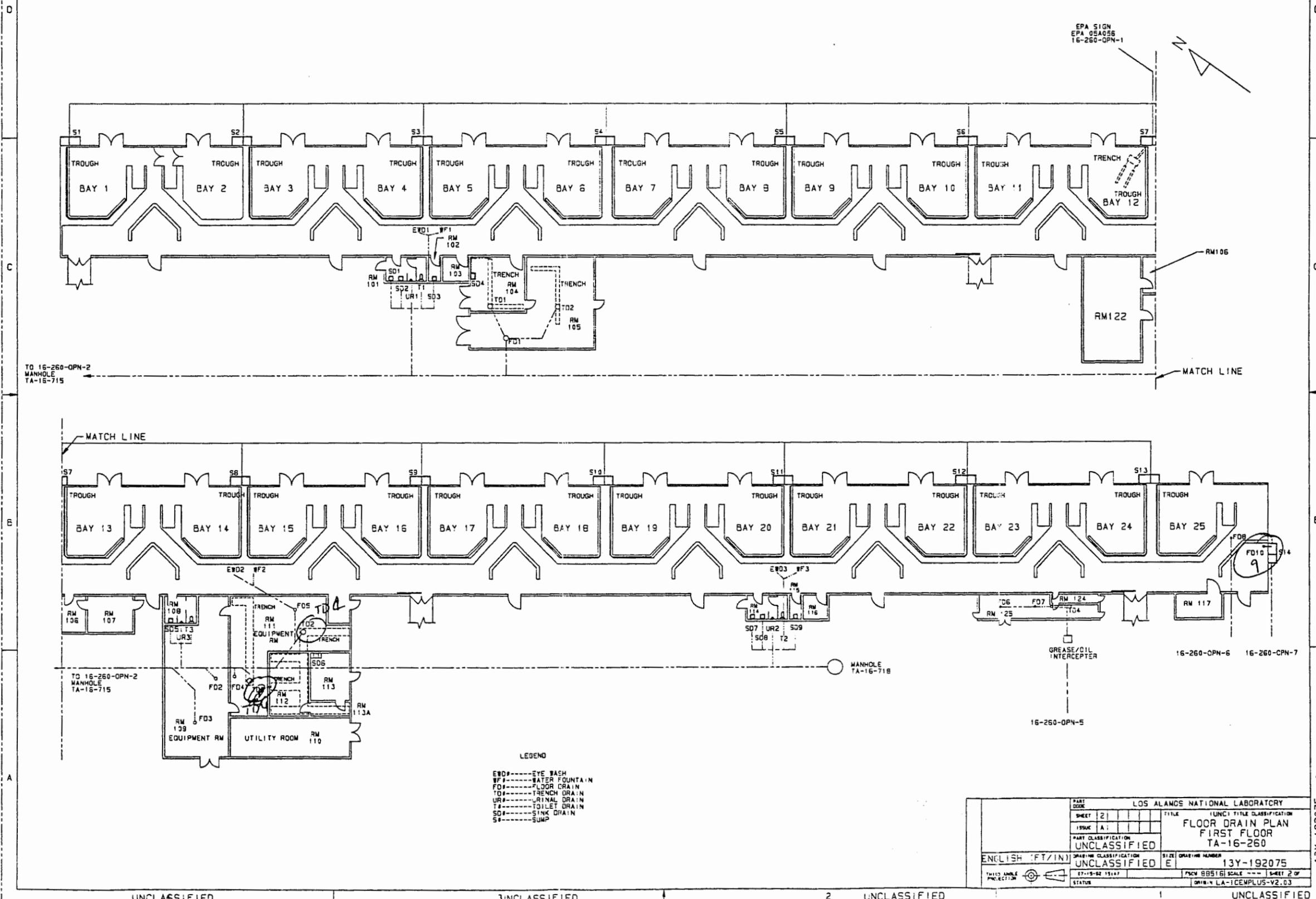
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3 UNCLASSIFIED

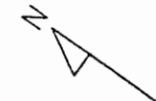
2 UNCLASSIFIED

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | REVISIONS | |
|------------------------|-----------|---|
| | DATE | DESCRIPTION |
| N/A | A | LS |
| | | DRAWN BY CHECKER ENGINEER APPROVED |
| | | - ABERCROMBIE 7-14-92 - PALMER - PALMER - BARR |



EPA SIGN
EPA 05A056
16-260-OPN-1



TO 16-260-OPN-2
MANHOLE
TA-16-715

MATCH LINE

MATCH LINE

TO 16-260-OPN-2
MANHOLE
TA-16-715

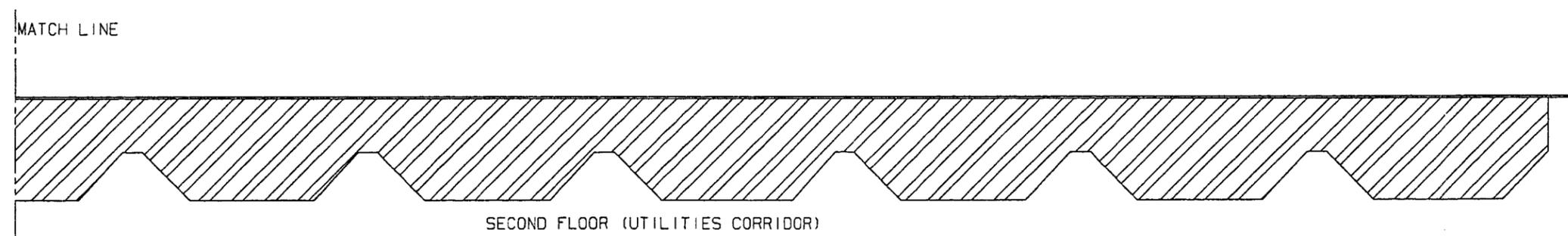
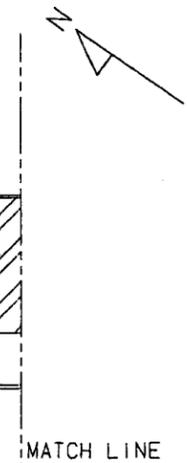
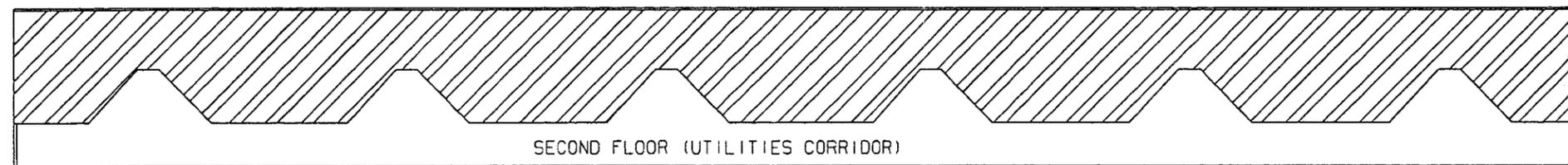
- LEGEND
- EW#-----EYE WASH
 - WF#-----WATER FOUNTAIN
 - FD#-----FLOOR DRAIN
 - TD#-----TRENCH DRAIN
 - UR#-----URINAL DRAIN
 - TL#-----TOILET DRAIN
 - SD#-----SINK DRAIN
 - S#-----SUMP

| | | | |
|------------------------|----------------|--|---------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 21 | TITLE | (UNCL) TITLE CLASSIFICATION |
| ISSUE | A | FLOOR DRAIN PLAN FIRST FLOOR TA-16-260 | |
| PART CLASSIFICATION | | UNCLASSIFIED | |
| DRAWING CLASSIFICATION | UNCLASSIFIED | SIZE | 13Y-192075 |
| DATE | 07-19-92 15:47 | SCALE | FROM 88516 SCALE --- SHEET 2 OF |
| STATUS | | DATE | 08/14/92 LA-1CEMPLUS-V2.03 |

13Y-192075

4 UNCLASSIFIED 3 UNCLASSIFIED 2 UNCLASSIFIED 1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | | CLASS REVIEW | | REVISIONS |
|------------------------|-----|-------|--------------|---|---|
| | ISS | CLASS | REVIEW | DESCRIPTION | |
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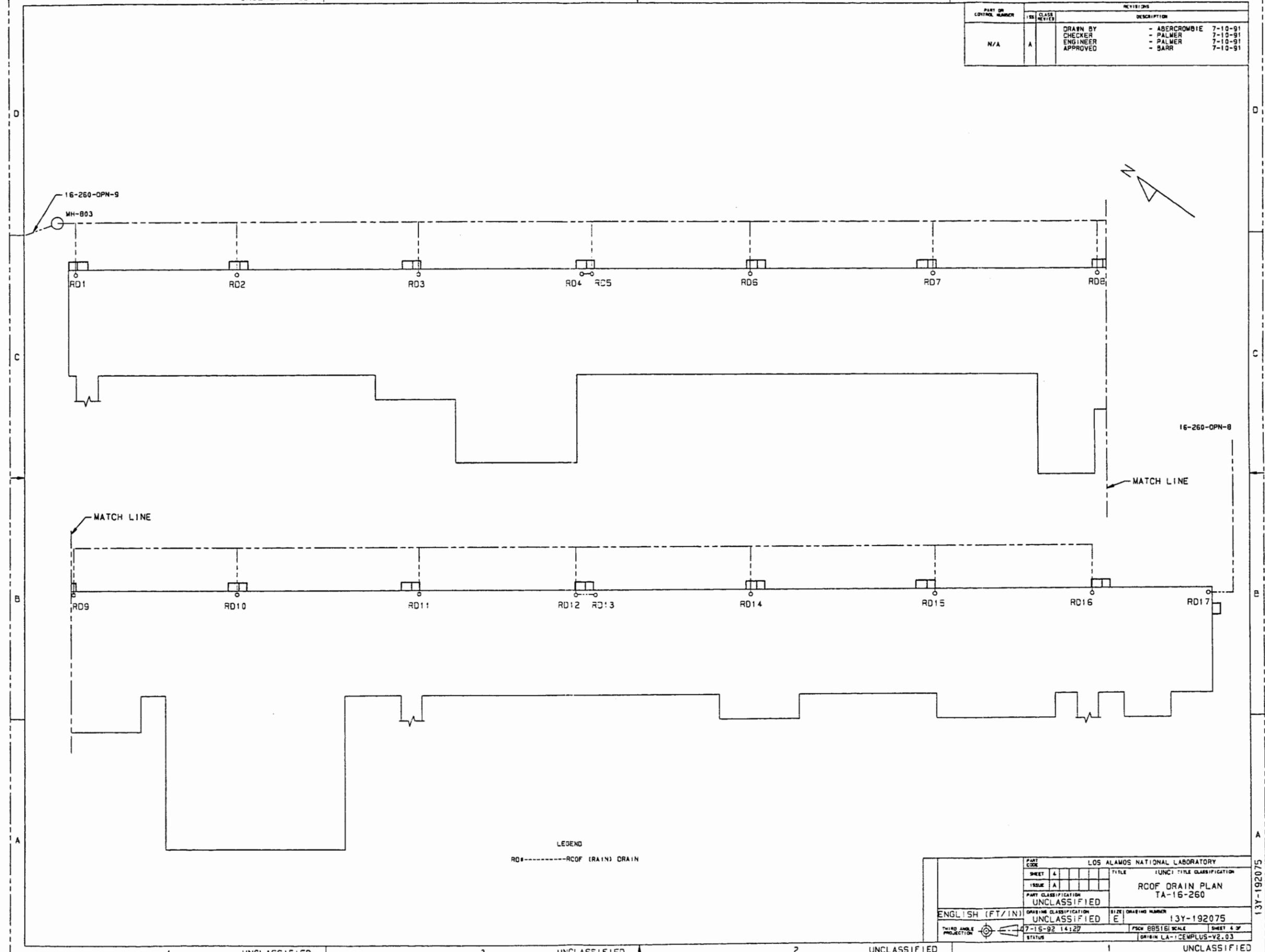


NOTE: THERE ARE NO FLOOR DRAINS ON THE SECOND FLOOR.

| | | | | | |
|------------------------|---|--------------------------------|----------------|----------------------------|-----------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | | | |
| SHEET | 3 | TITLE | | (UNC) TITLE CLASSIFICATION | |
| ISSUE | A | SECOND FLOOR DRAIN PLAN | | TA-16-260 | |
| PART CLASSIFICATION | | UNCLASSIFIED | | | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER | | |
| UNCLASSIFIED | | D | 13Y-192075 | | |
| THIRD ANGLE PROJECTION | | 07-15-92 16:01 | | CAGE 88516 | SCALE 1/2 |
| STATUS | | ORIGIN LA-ICEMPLUS-V2.03 | | SHEET 3 OF - | |

4 UNCLASSIFIED 3 UNCLASSIFIED 2 UNCLASSIFIED 1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISSUE CLASS | REVISIONS | |
|------------------------|-------------|-----------|--------------------------------|
| | | NO. | DESCRIPTION |
| N/A | A | | DRAWN BY - ABERCROMBIE 7-10-91 |
| | | | CHECKER - PALMER 7-10-91 |
| | | | ENGINEER - PALMER 7-10-91 |
| | | | APPROVED - SARR 7-10-91 |



LEGEND
 RD-----RCOF (RAIN) DRAIN

| | | | |
|------------------------|---------|--------------------------------|---------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET 4 | ISSUE A | TITLE | UNCL TITLE CLASSIFICATION |
| PART CLASSIFICATION | | RCOF DRAIN PLAN | |
| UNCLASSIFIED | | TA-16-260 | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
| UNCLASSIFIED | | E | 13Y-192075 |
| DATE | | PROJECT | |
| 7-15-92 14:27 | | PSCH 885161 SCALE | |
| STATUS | | ORIGIN LA-15CMPLUS-V2.03 | |

4

UNCLASSIFIED

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UNCLASSIFIED

| PART OR CONTROL NUMBER | REVISIONS | | DESCRIPTION |
|------------------------|-----------|--------------|---------------------|
| | ISS | CLASS REVIEW | |
| 13Y-192198 | A | | DRAWN BY |
| | | | CHECKER |
| | | | ENGINEER |
| | | | APPROVED |
| | | | - R. GARCIA 4-22-92 |
| | | | - D. PALMER 4-22-92 |
| | | | - D. PALMER 4-22-92 |
| | | | - |

TA-16-261 INDEX SHEET

- 13Y-192198 SHT 1----SITE DRAINAGE PLAN
- 13Y-192198 SHT 2----PLUMBING DRAIN PLAN
- 13Y-192198 SHT 3----ROOF DRAIN PLAN
- 13Y-192198 SHT 4----POTENTIAL EFFLUENT
- 13Y-192198 SHT 5----ELECTRICAL HAZARD PLAN
- 13Y-192198 SHT 6----EVACUATION PLAN

| | | | |
|--|---|--------------------------------|-----------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 0 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | | INDEX SHEET TA-16-261 |
| PART CLASSIFICATION | | UNCLASSIFIED | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
| UNCLASSIFIED | | D | 13Y-192198 |
| THIRD ANGLE PROJECTION  | | 20-92 11:57 | CAGE 88516 SCALE 1/1 SHEET 0 OF 6 |
| STATUS | | ORIGIN LA-ICEMPLUS-V2.03 | |

4

UNCLASSIFIED

3

UNCLASSIFIED

2

UNCLASSIFIED

1

UNCLASSIFIED

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|---------------------|
| | | | DESCRIPTION | |
| NA | A | | DRAWN BY | - R. GARCIA 5-14-92 |
| | | | CHECKER | - D. PALMER 5-14-92 |
| | | | ENGINEER | - D. PALMER 5-14-92 |
| | | | APPROVED | - |

D

D

C

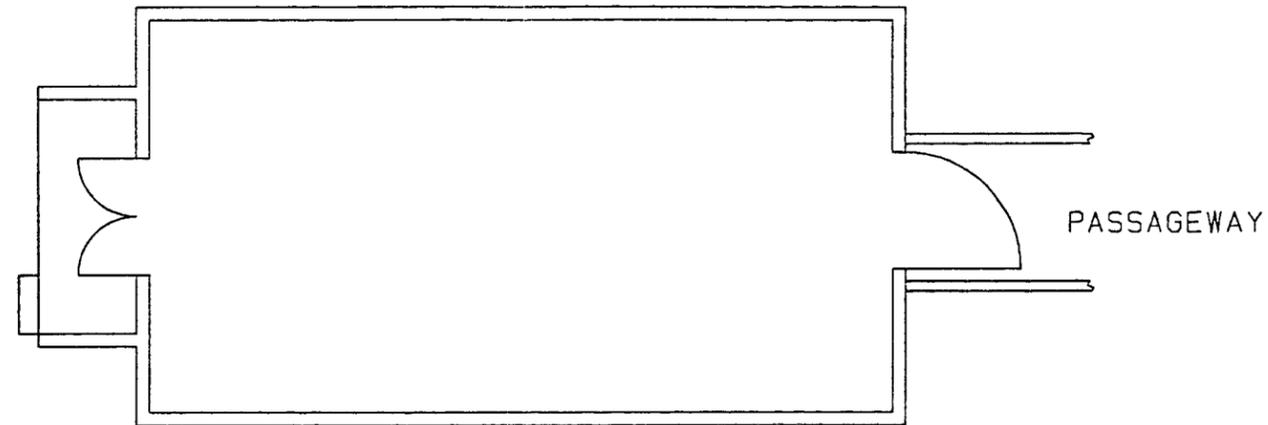
C

B

B

A

A



NO DRAINS

FLOOR PLAN

SCALE: 3/16"=1'

| | | | |
|------------------------|---|--------------------------------------|------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 2 | TITLE (UNC) TITLE CLASSIFICATION | |
| ISSUE | A | PLUMBING AND DRAIN PLAN TA-16-261 | |
| PART CLASSIFICATION | | DRAWING NUMBER | |
| UNCLASSIFIED | | C | 13Y-192198 |
| DRAWING CLASSIFICATION | | STATUS | |
| UNCLASSIFIED | | ORIGIN LA-ICEMPLUS-V2.03 | |
| ENGLISH (FT/IN) | | SCALE | |
| THIRD ANGLE PROJECTION | | SHEET 2 OF 6 | |
| 07-20-92 12:28 | | FSCM 88516 | |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

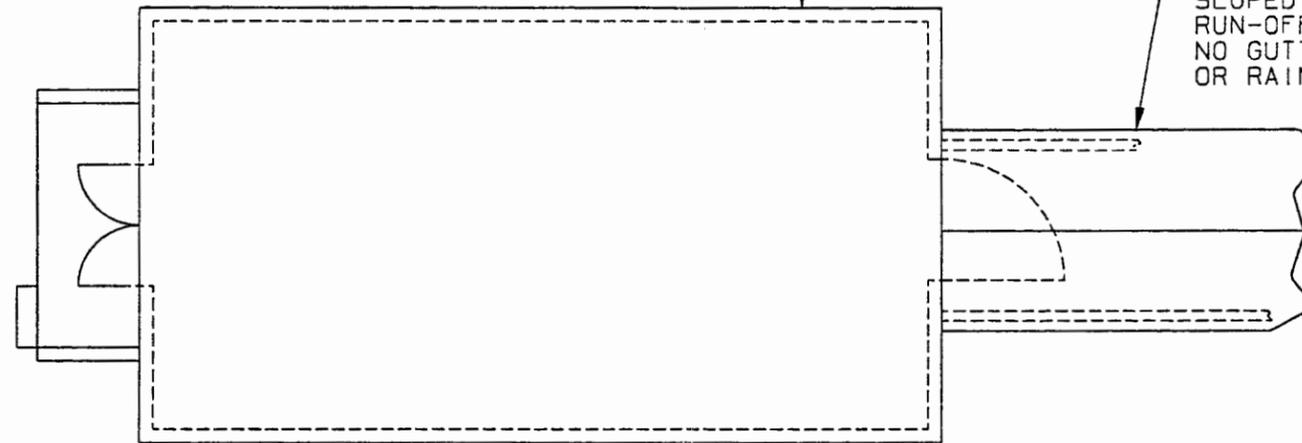
| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|--------------------|
| | | | DESCRIPTION | |
| X | A | | DRAWN BY | - R.GARCIA 5-14-92 |
| | | | CHECKER | - D.PALMER 5-14-92 |
| | | | ENGINEER | - D.PALMER 4-15-92 |
| | | | APPROVED | - |

D

D

FLAT ROOF-
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS

PITCHED ROOF
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS



C

C

B

B

ROOF PLAN

A

A

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| | | | |
|------------------------|---|--------------------------------|----------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 3 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | ROOF DRAIN PLAN TA-16-261 | |
| PART CLASSIFICATION | | DRAWING NUMBER | |
| UNCLASSIFIED | | 13Y-192198 | |
| ENGLISH (FT/IN) | | DRAWING CLASSIFICATION | SCALE |
| THIRD ANGLE PROJECTION | | UNCLASSIFIED | FSCM 88516 |
| STATUS | | DATE | SHEET 3 OF 6 |
| | | 20-92 72x24 | ORIGIN LA-ICEMPLUS-V2.03 |

UNCLASSIFIED 4 3 2 1 UNCLASSIFIED

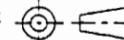
DYE TESTED XX-XX

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|--------------------|
| | | | DESCRIPTION | |
| N/A | A | LS | DRAWN BY | - R.GARCIA 5-14-92 |
| | | | CHECKER | - D.PALMER 5-14-92 |
| | | | ENGINEER | - D.PALMER 5-14-92 |
| | | | APPROVED | - S.RIVERA 5-14-92 |

TA - 16 - 263

INDEX SHEET

- 13Y-192075 SHT 1----SITE DRAINAGE PLAN
- 13Y-192199 SHT 2----FLOOR PLUMBING DRAIN PLAN
- 13Y-192199 SHT 3----ROOF PLAN
- 13Y-192199 SHT 4----POTENTIAL EFFLUENT
- 13Y-192199 SHT 5----ELECT. HAZARD CLASSIFICATION ZONES
- 13Y-192199 SHT 6----EVACUATION PLAN

| | | | |
|--|---|--------------------------------|-----------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 0 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | INDEX SHEET TA-16-263 | |
| PART CLASSIFICATION | | DRAWING NUMBER | |
| UNCLASSIFIED | | 13Y-192199 | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
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| THIRD ANGLE PROJECTION  | | 07-20-92 12:31 | FSCM 88516 SCALE 1/1 SHEET 0 OF 6 |
| STATUS | | ORIGIN LA-1CEPLUS-V2.03 | |

UNCLASSIFIED 4 3 2 1 UNCLASSIFIED

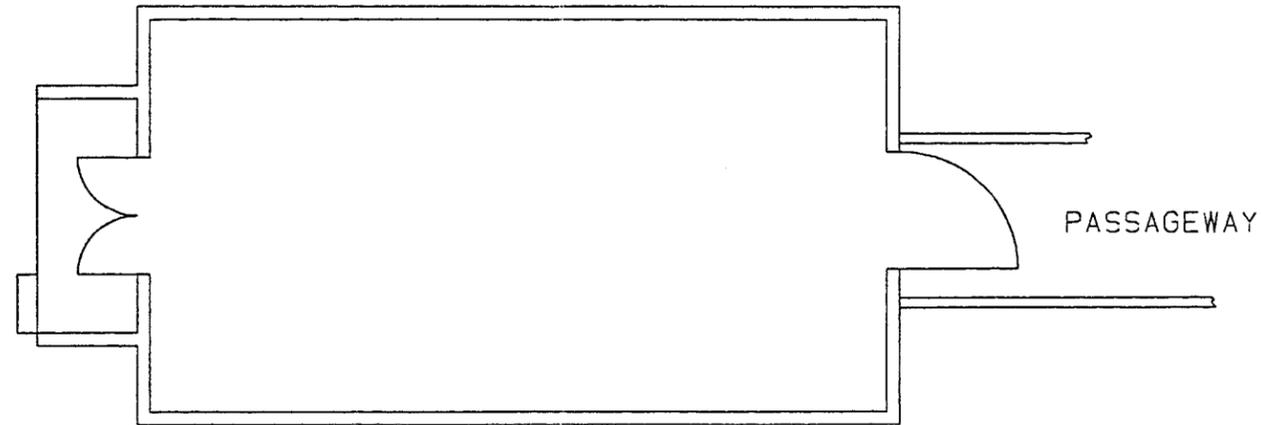
UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|--------------------|
| | | | DESCRIPTION | |
| NA | A | | DRAWN BY | - R.GARCIA 5-14-92 |
| | | | CHECKER | - D.PALMER 5-14-92 |
| | | | ENGINEER | - D.PALMER 5-14-92 |
| | | | APPROVED | - |



NO DRAINS

FLOOR PLAN

SCALE: 3/16"=1'

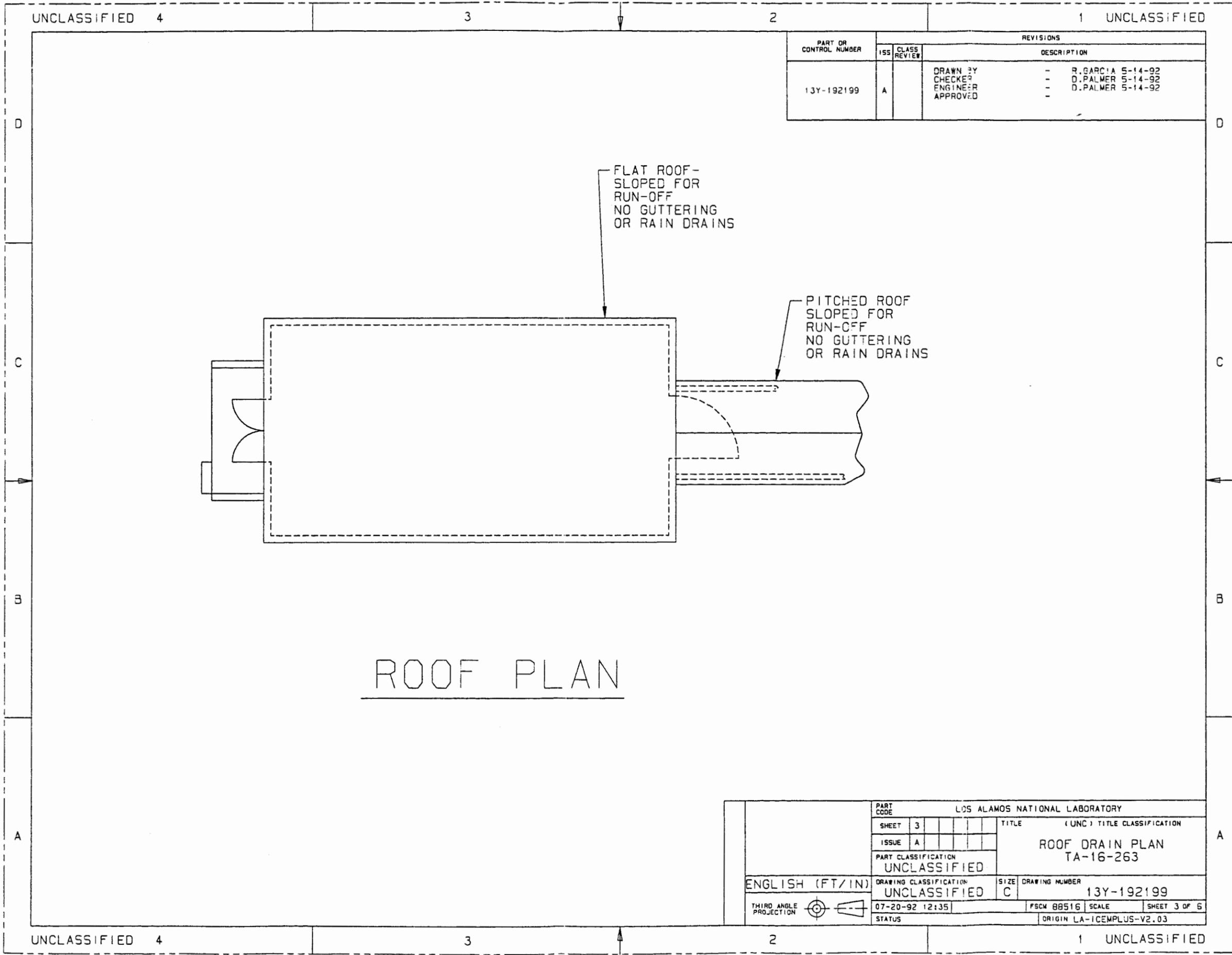
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| SHEET | 2 | TITLE | (UNC) TITLE CLASSIFICATION |
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| PART CLASSIFICATION | | DRAWING NUMBER | |
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| DRAWING CLASSIFICATION | | STATUS | |
| UNCLASSIFIED | | 07-20-92 12:38 | FSCM 88516 SCALE SHEET 2 OF 6 |
| THIRD ANGLE PROJECTION | | ORIGIN LA-ICEMPLUS-V2.03 | |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED



| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|---------------------|
| | | | DESCRIPTION | |
| 13Y-192199 | A | | DRAWN BY | - R. GARCIA 5-14-92 |
| | | | CHECKED | - D. PALMER 5-14-92 |
| | | | ENGINEER | - D. PALMER 5-14-92 |
| | | | APPROVED | - |

ROOF PLAN

| | | | |
|------------------------|---|---------------------------------|-------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 3 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | ROOF DRAIN PLAN TA-16-263 | |
| PART CLASSIFICATION | | UNCLASSIFIED | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
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| ENGLISH (FT/IN) | | 07-20-92 12:35 | FSCM 88516 SCALE SHEET 3 OF 6 |
| THIRD ANGLE PROJECTION | | STATUS ORIGIN LA-ICEMPLUS-V2.03 | |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

DYE TESTED XX-XX

| PART OR CONTROL NUMBER | REVISIONS | | DESCRIPTION |
|------------------------|-----------|--------------|---|
| | ISS | CLASS REVIEW | |
| N/A | A | LS | DRAWN BY CHECKER ENGINEER APPROVED |
| | | | - LAUER - - |

TA - 16 - 265

INDEX SHEET

- 13Y-192075 SHT 1----SITE DRAINAGE PLAN
- 13Y-192117 SHT 1----FLOOR PLUMBING DRAIN PLAN
- 13Y-192117 SHT 2----ROOF PLAN
- 13Y-192117 SHT 3----POTENTIAL EFFLUENT
- 13Y-192121 SHT 1----ELECT. HAZARD CLASSIFICATION ZONES
- 13Y-192117 SHT 4----EVACUATION PLAN

| | | | |
|------------------------|---|--------------------------------|-----------------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 0 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | INDEX SHEET TA-16-265 | |
| PART CLASSIFICATION | | UNCLASSIFIED | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
| UNCLASSIFIED | | C | 13Y-192117 |
| THIRD ANGLE PROJECTION | | STATUS | ORIGIN LA-ICEMPLUS-V2.03 |
| ENGLISH (FT/IN) | | 20-92 13:15 | FSCM 88516 SCALE 1/1 SHEET 0 OF 6 |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|---|--|
| | | | DESCRIPTION | |
| NA | A | | DRAWN BY CHECKER ENGINEER APPROVED | - LAUER - L. ABERCROMBIE - D. PALMER |

D

D

C

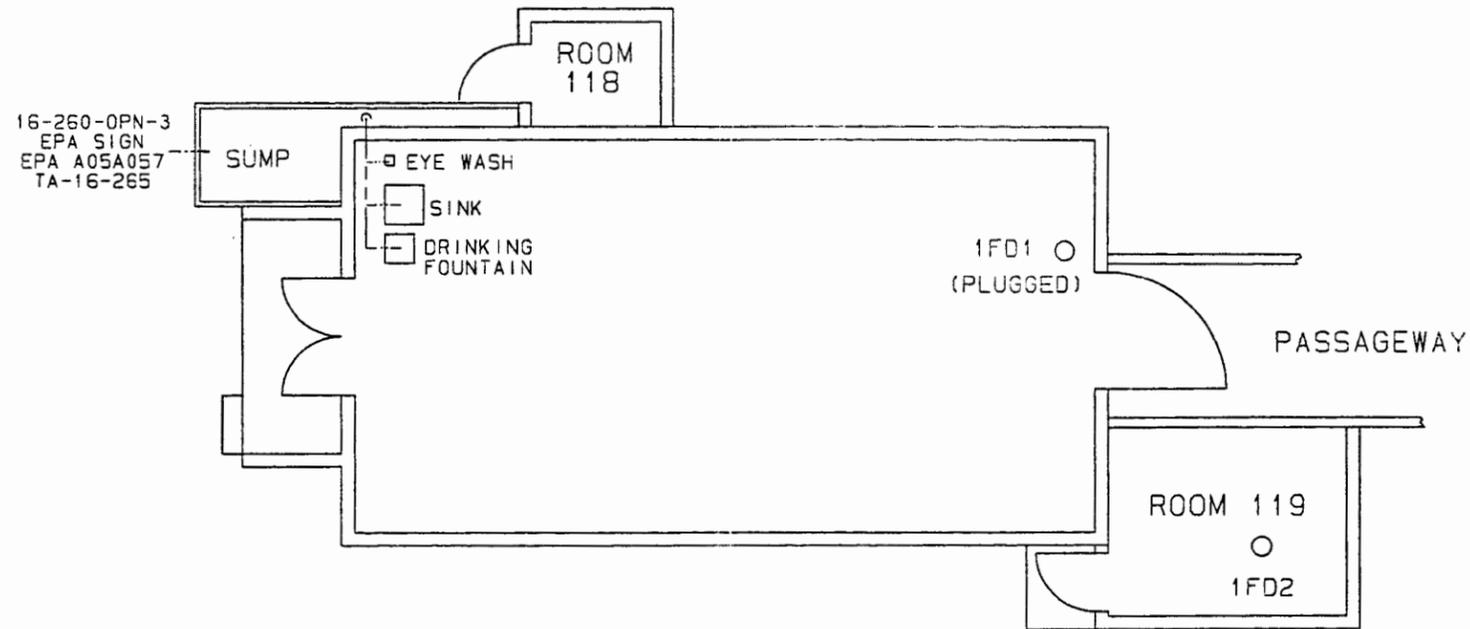
C

B

B

A

A



FLOOR PLAN

SCALE: 3/16"=1'

LEGEND
1FD#----FLOOR DRAIN

| | | | |
|------------------------|---|--------------------------------|-----------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 1 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | FLOOR PLAN TA-16-265 | |
| PART CLASSIFICATION | | SIZE | DRAWING NUMBER |
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| DRAWING CLASSIFICATION | | STATUS | |
| UNCLASSIFIED | | 07-20-92 13:11 | FSCM 88516 SCALE SHEET 1 OF |
| THIRD ANGLE PROJECTION | | ORIGIN LA-ICEMPLUS-V2.03 | |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------------|---------|
| | | | DESCRIPTION | |
| X | A | | DRAWN BY | - LAUER |
| | | | CHECKER | - |
| | | | ENGINEER APPROVED | - |

D

D

FLAT ROOF-
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS

PITCHED ROOF
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS

C

C

B

B

ROOF PLAN

A

A

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

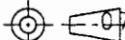
| | | | | | | | |
|------------------------|---|------------------------|--|----------------------------------|----------------|------------|--|
| PART CODE | | | | LOS ALAMOS NATIONAL LABORATORY | | | |
| SHEET | 2 | | | TITLE (UNC) TITLE CLASSIFICATION | | | |
| ISSUE | A | | | ROOF DRAIN PLAN TA-16-265 | | | |
| PART CLASSIFICATION | | | | UNCLASSIFIED | | | |
| ENGLISH (FT/IN) | | DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER | | |
| | | UNCLASSIFIED | | C | 13Y-192117 | | |
| THIRD ANGLE PROJECTION | | 07-20-92 13:03 | | FSCM 88516 | SCALE | SHEET 2 OF | |
| | | | | ORIGIN LA-ICEMPLUS-V2.03 | | | |

| PART OR CONTROL NUMBER | REVISIONS | | |
|------------------------|-----------|--------------|---------------------|
| | ISS | CLASS REVIEW | |
| 13Y-192200 | A | DRAWN BY | - R. GARCIA 4-21-92 |
| | | CHECKER | - D. PALMER 4-21-92 |
| | | ENGINEER | - D. PALMER 4-21-92 |
| | | APPROVED | - |

TA-16-267

INDEX SHEET

- 13Y-192200 SHT 1----SITE DRAINAGE PLAN
- 13Y-192200 SHT 2----PLUMBING DRAIN PLAN
- 13Y-192200 SHT 3----ROOF DRAIN PLAN
- 13Y-192200 SHT 4----POTENTIAL EFFLUENT
- 13Y-192200 SHT 5----ELECTRICAL HAZARD PLAN
- 13Y-192200 SHT 6----EVACUATION PLAN

| | | | |
|--|---|--|----------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 0 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | INDEX SHEET TA-16-267 | |
| PART CLASSIFICATION | | UNCLASSIFIED | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER |
| UNCLASSIFIED | | D | 13Y-192200 |
| THIRD ANGLE PROJECTION  | | -20-92 14#31 CAGE 88516 SCALE 1/1 SHEET 0 OF 6 | |
| STATUS | | ORIGIN LA-1CEPLUS-V2.03 | |

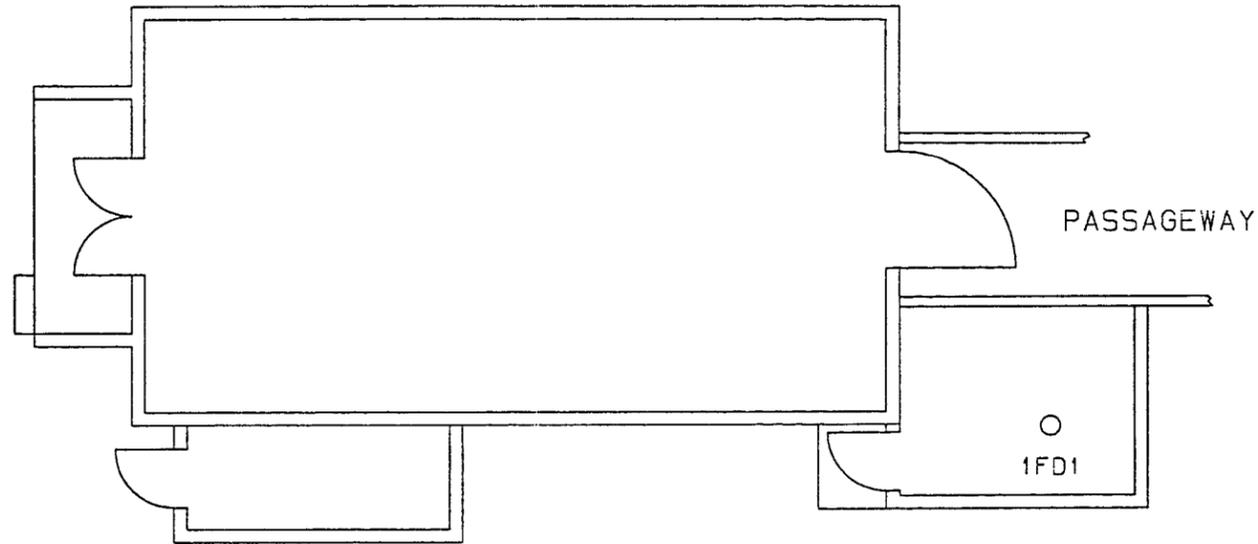
UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|--------------------|
| | | | DESCRIPTION | |
| NA | A | | DRAWN BY | - R.GARCIA 5-14-92 |
| | | | CHECKER | - D.PALMER 5-14-92 |
| | | | ENGINEER | - D.PALMER 5-14-92 |
| | | | APPROVED | - |



FLOOR PLAN
 SCALE: 3/16"=1'

LEGEND
 1FD#----FLOOR DRAIN

| | | | |
|------------------------|---|--------------------------------------|----------------------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | |
| SHEET | 2 | TITLE | (UNC) TITLE CLASSIFICATION |
| ISSUE | A | PLUMBING AND DRAIN PLAN TA-16-267 | |
| PART CLASSIFICATION | | DRAWING NUMBER | |
| UNCLASSIFIED | | 13Y-192200 | |
| DRAWING CLASSIFICATION | | SIZE | SCALE |
| UNCLASSIFIED | | C | SCALE |
| STATUS | | ORIGIN | LA-ICEMPLUS-V2.03 |
| ENGLISH (FT/IN) | | DRAWING NUMBER | |
| THIRD ANGLE PROJECTION | | 13Y-192200 | |
| 07-20-92 14:33 | | SHEET 2 OF 6 | |

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| PART OR CONTROL NUMBER | ISS | CLASS REVIEW | REVISIONS | |
|------------------------|-----|--------------|-------------|--------------------|
| | | | DESCRIPTION | |
| 13Y-192200 | A | | DRAWN BY | - R.GARCIA 5-14-92 |
| | | | CHECKER | - D.PALMER 5-14-92 |
| | | | ENGINEER | - D.PALMER 5-14-92 |
| | | | APPROVED | - |

D

D

FLAT ROOF-
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS

PITCHED ROOF
SLOPED FOR
RUN-OFF
NO GUTTERING
OR RAIN DRAINS

C

C

B

B

ROOF PLAN

A

A

UNCLASSIFIED 4

3

2

1 UNCLASSIFIED

| | | | | | |
|------------------------|---|----------------------------------|----------------|-------|--------------|
| PART CODE | | LOS ALAMOS NATIONAL LABORATORY | | | |
| SHEET | 3 | TITLE (UNC) TITLE CLASSIFICATION | | | |
| ISSUE | A | ROOF DRAIN PLAN TA-16-267 | | | |
| PART CLASSIFICATION | | UNCLASSIFIED | | | |
| DRAWING CLASSIFICATION | | SIZE | DRAWING NUMBER | | |
| UNCLASSIFIED | | C | 13Y-192200 | | |
| THIRD ANGLE PROJECTION | | 07-20-92 14:34 | FSCM 88516 | SCALE | SHEET 3 OF 6 |
| STATUS | | ORIGIN LA-ICEMPLUS-V2.03 | | | |

DYE STUDY REPORT FOR BUILDINGS
 16-260, 16-261, 16-263, 16-265, 16-267, 16-268, 16-269,
 16-270, 16-271, 16-277, 16-278, 16-530, 16-531, 16-532,
 16-533, 16-535, 16-1385, 16-1412, 16-1417, AND 16-1451
 COMPILED BY ENGINEERING AND INFORMATION RESOURCES (WX-12)

BUILDING 260--Field investigated September 6, 1991.

| DRAIN No | DRAIN LOCATION | END OF PIPE |
|----------|----------------|-----------------------------|
| TD1 | RM 104 | 16-260-OPN-1 sanitary sewer |
| TD2 | RM 105 | 16-260-OPN-1 sanitary sewer |
| FD1 | RM 105 | 16-260-OPN-1 sanitary sewer |
| FD2 | RM 109 | 16-260-OPN-1 sanitary sewer |
| FD3 | RM 109 | 16-260-OPN-1 sanitary sewer |
| FD4 | RM 111 | 16-260-OPN-1 sanitary sewer |
| FD5 | RM 111 | 16-260-OPN-1 sanitary sewer |
| TD3 | RM 111 | 16-260-OPN-1 sanitary sewer |
| TD4 | RM 111 | 16-260-OPN-1 sanitary sewer |
| EWD1 | Corridor | 16-260-OPN-1 sanitary sewer |
| WF1 | Corridor | 16-260-OPN-1 sanitary sewer |
| SD4 | RM 104 | 16-260-OPN-1 sanitary sewer |
| EWD2 | Corridor | 16-260-OPN-1 sanitary sewer |
| WF2 | Corridor | 16-260-OPN-1 sanitary sewer |
| FD6 | RM 125 | 16-260-OPN-5 |
| FD7 | RM 125 | 16-260-OPN-5 |
| TD4 | RM 125 | 16-260-OPN-5 |
| FD8 | Corridor | 16-260-OPN-6 |
| FD9 | Corridor | 16-260-OPN-7 |
| RD2 | ROOF | 16-260-OPN-9 |
| RD6 | ROOF | 16-260-OPN-9 |
| RD10 | ROOF | 16-260-OPN-9 |
| RD12 | ROOF | 16-260-OPN-9 |
| RD15 | ROOF | 16-260-OPN-9 |
| RD17 | ROOF | 16-260-OPN-8 |

BUILDING 261--Field investigated September 6, 1991.

This building does not have any floor drains.

BUILDING 263--Field investigated September 6, 1991.

This building does not have any floor drains.

BUILDING 265--Field investigated September 6, 1991.

This building was not dye tested. The outfall location was not identified during the field investigation.

BUILDINGS 267--Field investigated September 6, 1991.

This building was not dye tested. The outfall location was identified during the field investigation.

BUILDING 268, 269, 270, and 271--Field investigated September 6, 1991.

These buildings are passageways and have no drains.

BUILDING 277 and 278--Field investigated September 6, 1991.

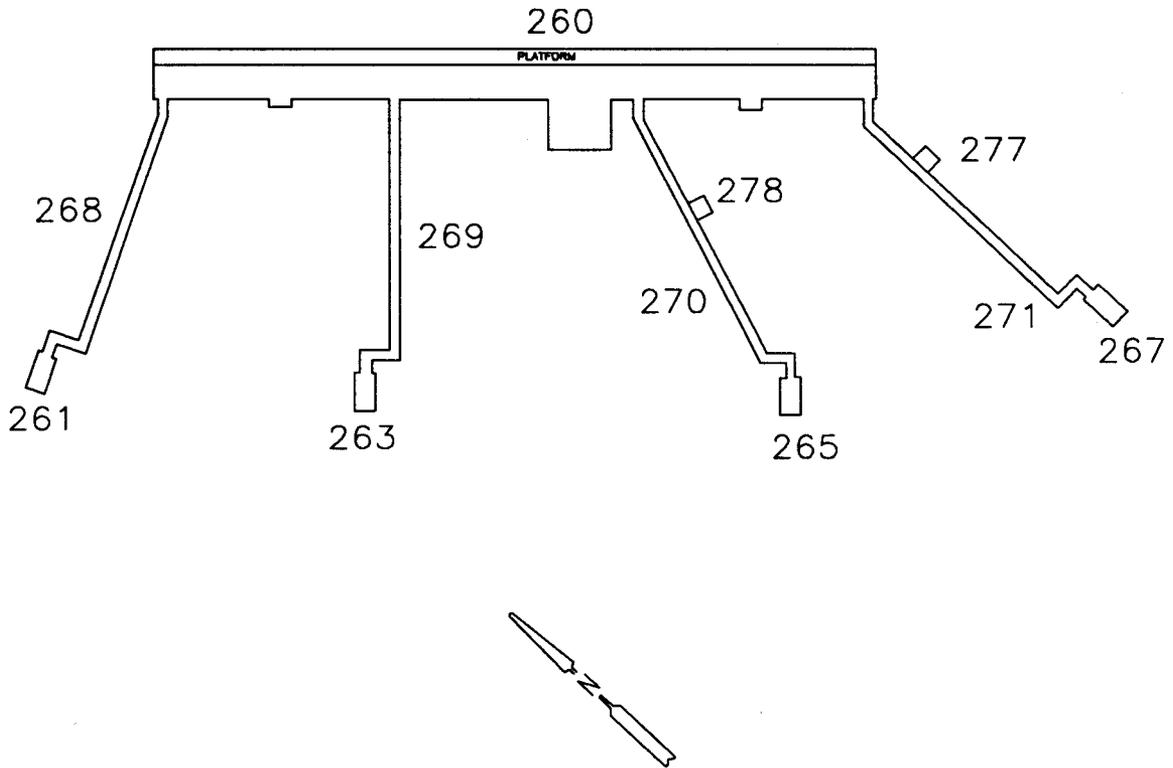
These buildings were not dye tested. They do not have any floor drains.

BUILDING 530, 531, 532, 533, and 535--Field investigated July 26, 1991.

These structures are located at the sanitary treatment facility at TA-16. There is only one outfall and it is permitted as an 03S.

BUILDING 1385, 1412, 1417, AND 1451

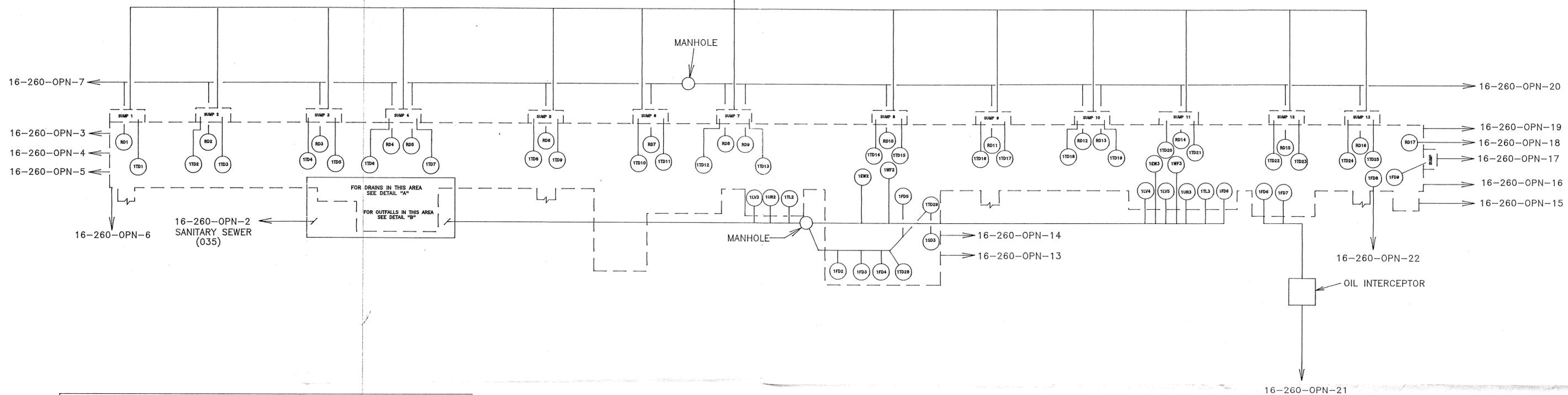
These structures do not have any floor drains.



NOTES
 NOTE 1: DRAWING BASED ON LANL DWG C-5839

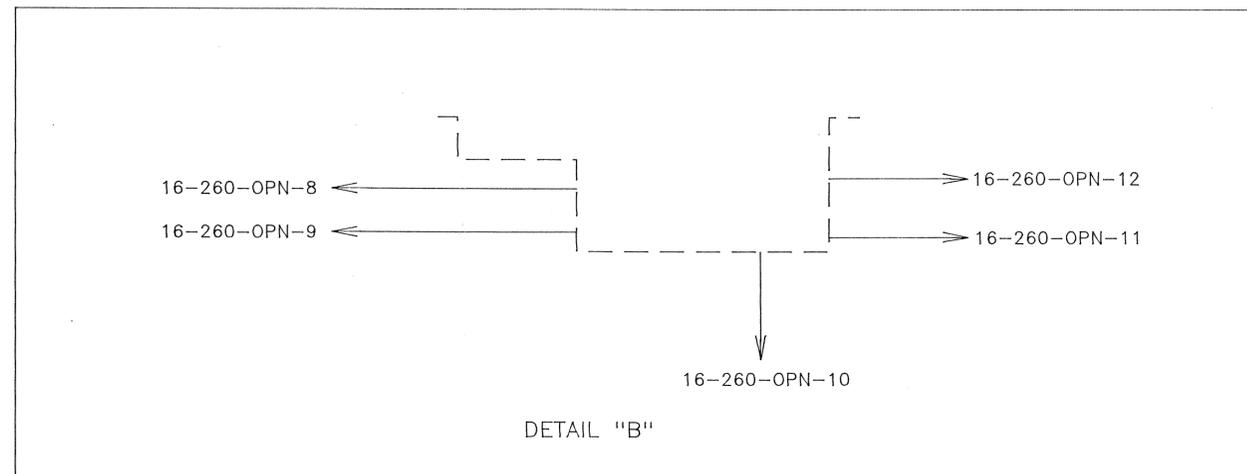
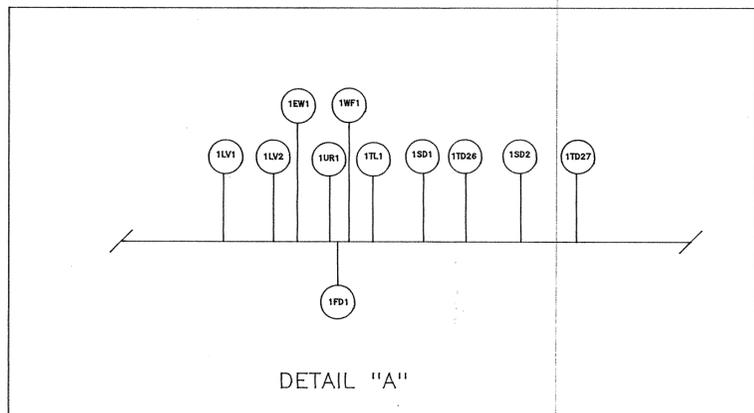
| | | | |
|--|-------------|-------------|----------|
| SANTA FE ENGINEERING, LTD. | | | |
| TA 16-260 AREA PLOT PLAN | | DRAWN | PEB |
| | | DESIGN | PEB |
| | | CHECKED | LBA |
| | | DATE | 5/29/92 |
| SUBMITTED | | RECOMMENDED | APPROVED |
| Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545 | | SHEET | OF |
| CLASSIFICATION | | REVIEWER | DATE |
| REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV. |
| REQUESTING GROUP EM-8 | 11056-17 | FIGURE 1 | |

05A056
16-260-OPN-1

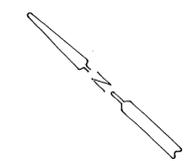


FOR DRAINS IN THIS AREA
SEE DETAIL "A"

FOR OUTFALLS IN THIS AREA
SEE DETAIL "B"

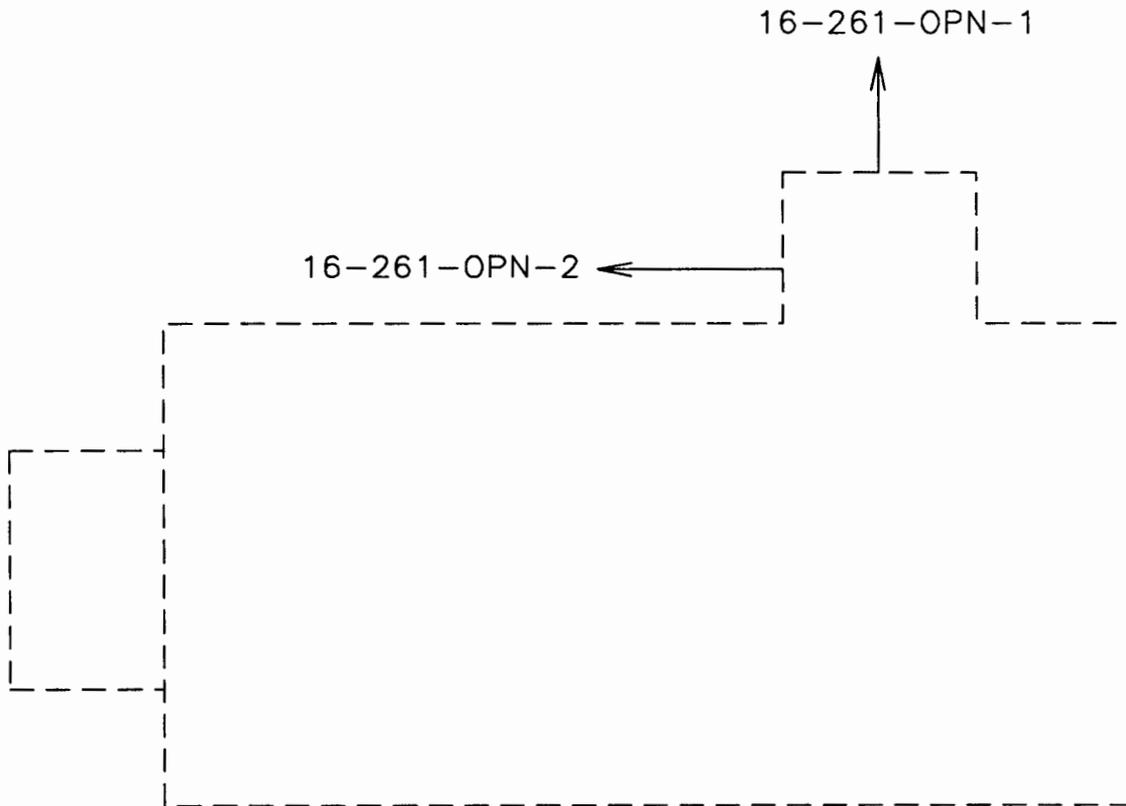


NOTES
NOTE 1: SCHEMATIC BASED ON DRAWINGS
C-1280, C-1285, C-3294, C-5841, C-5846, C-5847,
C-5848, C-5863, C-5864, C-5865, C-5867, C-5874,
C-5896, C-5974, C-5968, C-14885, C-23093, C-23461,
C-25925, C-32208 & R-2807 AND SITE VISIT



15213

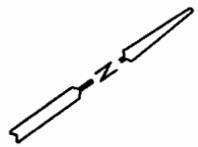
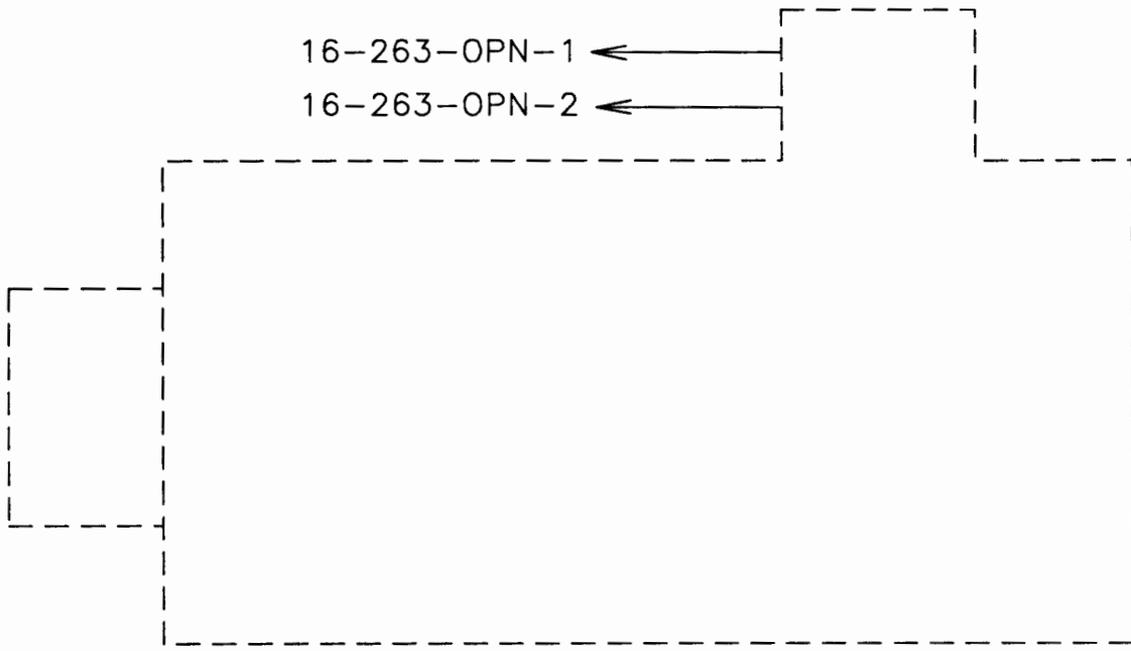
| | | | |
|---------------------------------------|-------------|--|-----------------|
| SANTA FE ENGINEERING, LTD. | | | |
| TA 16-260 BUILDING DRAIN SCHEMATIC | | DRAWN PEB | DESIGN PEB |
| | | CHECKED LBA | DATE 5/29/92 |
| SUBMITTED | RECOMMENDED | APPROVED | |
| Los Alamos | | Los Alamos National Laboratory Los Alamos, New Mexico 87545 | SHEET OF |
| CLASSIFICATION | REVIEWER | DATE | |
| REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV. |
| REQUESTING GROUP EM-8 | 11056-17 | FIGURE 2 | |



NOTES

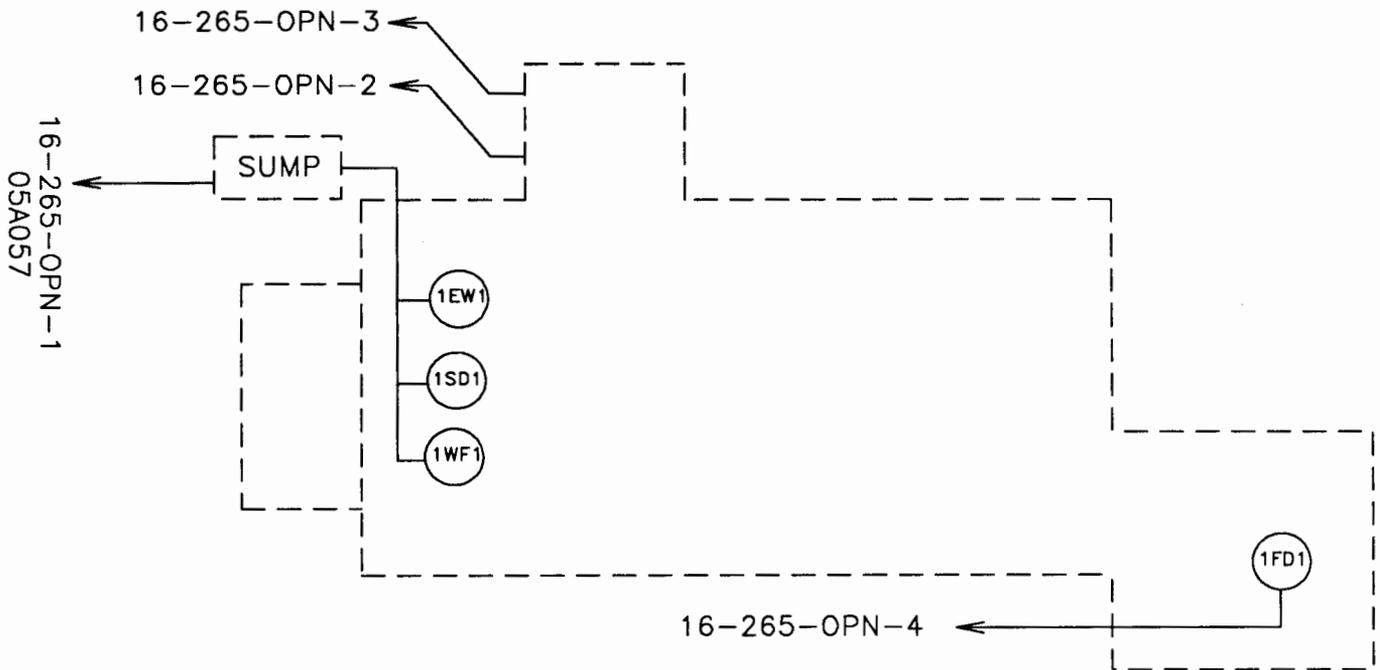
NOTE 1: SCHEMATIC BASED ON DRAWING R-2808
AND SITE VISIT

| | | | |
|---------------------------------------|-------------|--|------------|
| SANTA FE ENGINEERING, LTD. | | | |
| TA 16-261 BUILDING DRAIN SCHEMATIC | | DRAWN | PEB |
| | | DESIGN | PEB |
| | | CHECKED | LBA |
| | | DATE | 5/29/92 |
| 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 | 11056-17 | FIGURE 3 | |



NOTES
 NOTE 1: SCHEMATIC BASED ON DRAWING R-2810
 AND SITE VISIT

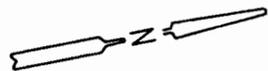
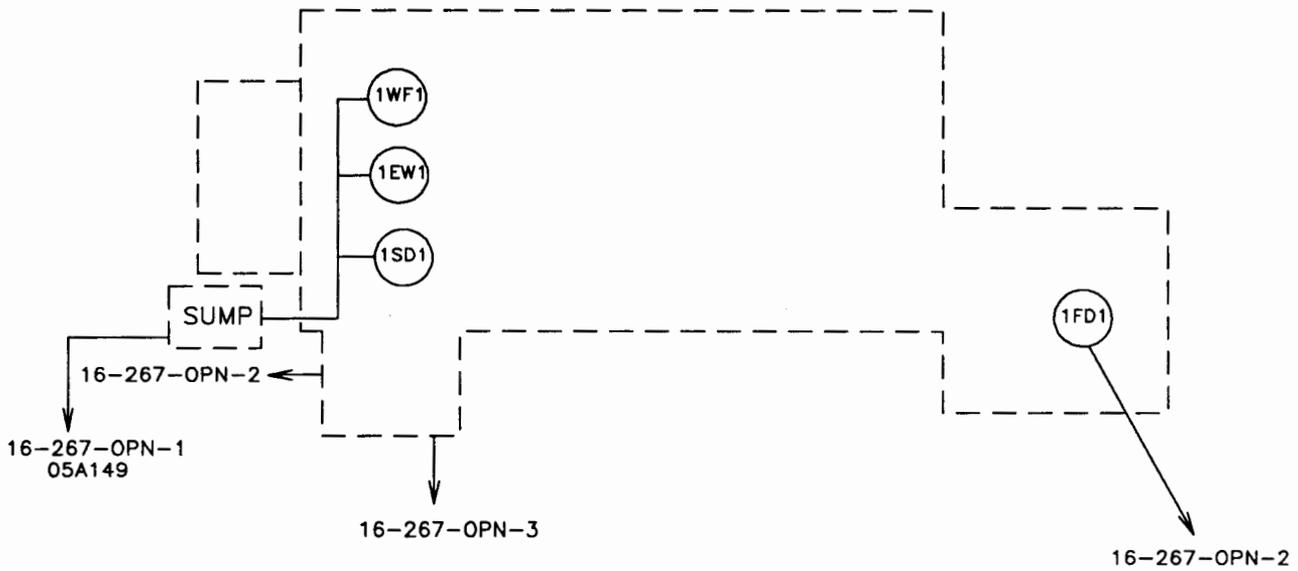
| | | | | | |
|---------------------------------------|-------------|--|---------|----------|----|
| SANTA FE ENGINEERING, LTD. | | | | | |
| TA 16-263 BUILDING DRAIN SCHEMATIC | | DRAWN | PEB | | |
| | | DESIGN | PEB | | |
| | | CHECKED | LBA | | |
| | | DATE | 5/29/92 | | |
| SUBMITTED | | RECOMMENDED | | 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 | 11056-17 | FIGURE 4 | | | |



NOTES

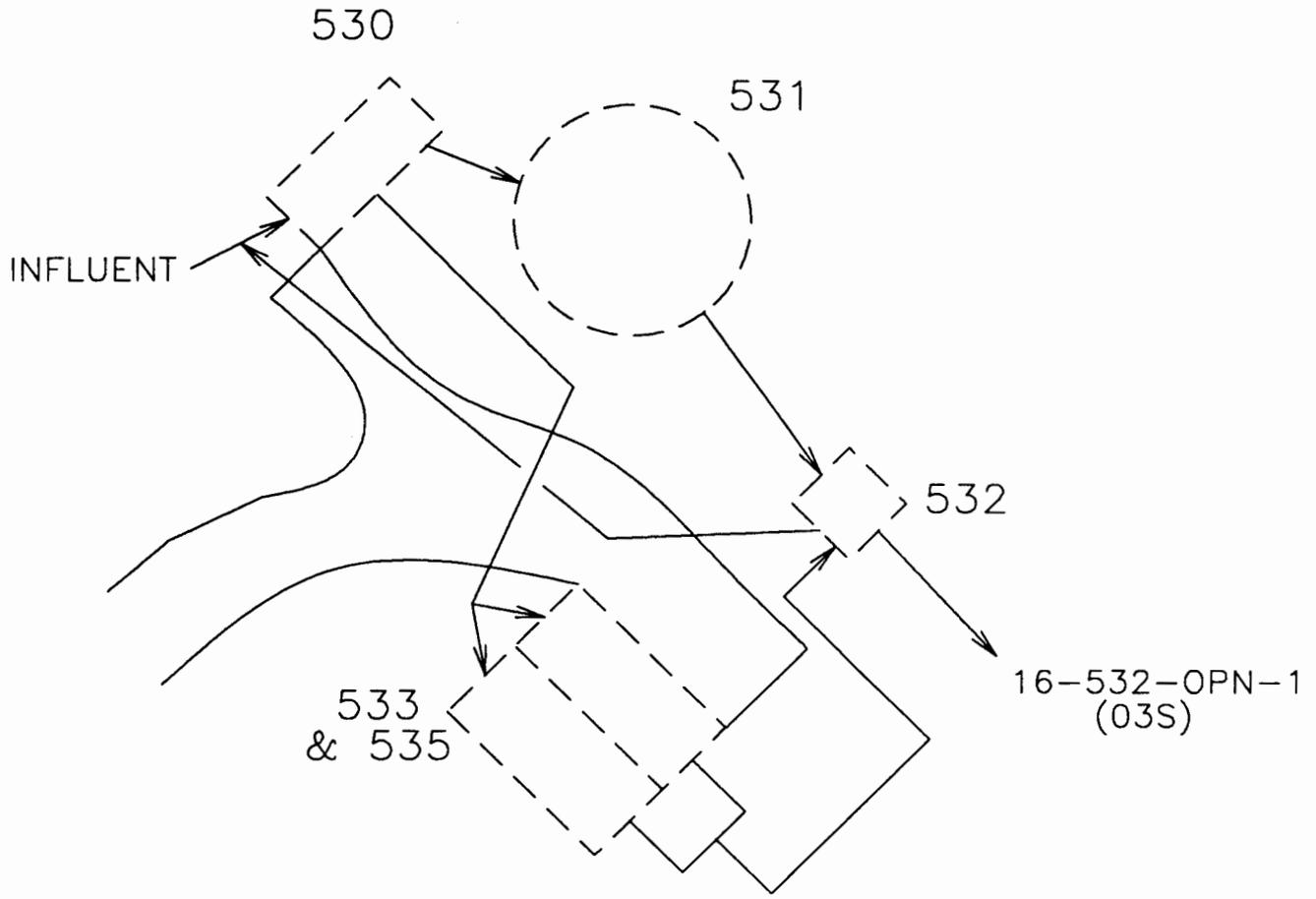
NOTE 1: SCHEMATIC BASED ON DRAWING R-2810 & C-17400 AND SITE VISIT

| | | | |
|---------------------------------------|-------------|--|------------|
| SANTA FE ENGINEERING, LTD. | | | |
| TA 16-265 BUILDING DRAIN SCHEMATIC | | DRAWN | PEB |
| | | DESIGN | PEB |
| | | CHECKED | LBA |
| | | DATE | 5/29/92 |
| 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 | 11056-17 | FIGURE 5 | |



NOTES
 NOTE 1: SCHEMATIC BASED ON DRAWING R-2811 & C-17400
 AND SITE VISIT

| | | | | |
|--|-------------|-------------|---------|---------|
| SANTA FE ENGINEERING, LTD. | | | | |
| TA 16-267 BUILDING DRAIN SCHEMATIC | | | DRAWN | PEB |
| | | | DESIGN | PEB |
| | | | CHECKED | LBA |
| | | | DATE | 5/29/92 |
| 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 | 11056-17 | FIGURE 6 | | |



NOTES
 NOTE 1: DRAWING BASED ON LANL DWG R-5111 SHEET 5

| | | | | | |
|---|-------------|--|---------|----------|----|
| SANTA FE ENGINEERING, LTD. | | | | | |
| TA-16 SANITARY TREATMENT PLANT PLOT PLAN | | DRAWN | PEB | | |
| | | DESIGN | PEB | | |
| | | CHECKED | LBA | | |
| | | DATE | 5/29/92 | | |
| 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 | 11056-17 | FIGURE 7 | | | |