WASTEWATER STREAM CHARACTERIZATION FOR LOS ALAMOS AREA WATER STRUCTURES

at
Los Alamos National Laboratory

ENVIRONMENTAL STUDY

CHARACTERIZATION REPORT #66

Los Alamos

Los Alamos National Laboratory is operated by the University of California for the United States Department of Energy

WASTEWATER STREAM CHARACTERIZATION FOR LOS ALAMOS WATER STRUCTURES

ENVIRONMENTAL STUDY

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

under subcontract 9-XG8-2874P-1

by:
Santa Fe Engineering, Ltd.
1429 Second Street
Santa Fe, New Mexico 87505
(505) 988-7438

March, 1994

EXECUTIVE SUMMARY

All water structures were visited to document all drain piping and building outfalls and to make permitting recommendations. The pipes exiting the building are as follows:

1) From Guaje Well #1 (0-1117), one floor drain, one vacuum breaker discharge and one well flush,

2) From Guaje Well #1A (0-1054), one floor drain, one vacuum breaker discharge and one well flush,

3) From Guaje Well #2 (0-1118), one floor drain, one vacuum breaker discharge and one well flush,

4) From Guaje Well #4 (0-1120), one floor drain, one vacuum breaker discharge and one well flush,

5) From Guaje Well #5 (0-1121), one floor drain, one vacuum breaker discharge and one well flush,

6) From Guaje Well #6 (0-1058), one floor drain, two vacuum breaker discharge & one well flush,

7) From Pajarito Mesa Well #1 (72-4), one floor drain, one vacuum breaker discharge and one well flush,

8) From Pajarito Mesa Well #2 (18-252), one floor drain, one vacuum breaker discharge, one well flush and one sand sampler,

9) From Pajarito Mesa Well #3 (72-7), one floor drain, one backflow preventor, one vacuum breaker discharge and one well flush,

10) From Pajarito Mesa Well #4 (54-1013), one floor drain and one well flush,

11) From Pajarito Mesa Well #5 (5-26), one floor drain, one vacuum breaker discharge and one oil tank overflow,

12) From Guaje Filter Booster Station (0-1107), one sump pump to the Los Alamos County sewer,

13) From Barranca Tank #1 Pump House (0-1090), one floor drain,

14) From TA-16 Microstrainer (16-404), one floor drain,

15) From TA-16 Chlorine Building (16-560), one floor drain and one chlorine vent,

16) From Guaje Booster #1 (0-1112), one floor drain and one sand bed drain,

17) From Guaje Booster #2 (0-1113), one floor drain and one chlorine vent,

18) From Guaje Booster #3 (72-1), one floor drain and two abandoned floor level plugs,

19) From L.A. Booster Station #3 (72-1), one floor drain,

20) From L.A. Booster Station #4 (73-9), one floor drain and one chlorine vent,

21) From North Fill Booster Station #1 (0-1109), one floor drain pipe and one chlorine vent,

22) From Western Booster Station (0-1108), no drains,

23) From Community Pump House (0-1080), two floor level drain pipes,

24) From South site Pump Station (0-1110), one sump pump and one chlorine vent,

25) From S-Site Booster #1 (0-1111), one floor drain,

26) From TA-53 Fire Protection House (53-54), one floor drain,

27) From Pajarito Booster Station #1 (36-117), one floor drain and one potable water drain,

28) From Pajarito Booster Station #2 (54-1007), one floor drain, and one potable water drain,

29) From Pajarito Booster Station #3 (64-5), one floor drain and one potable water drain,

30) From S-Site #2 Pump Station (6-63), one floor drain,

31) From Group 11 Tank (00-1291), one tank overflow,

32) From Group 12 Tank (00-1290), one tank overflow,

33) From Sycamore Tank (00-1122), one tank overflow,

34) From Western Tank (11-1301), one tank overflow,

35) From Twin Tanks (00-1293), one tank overflow,

36) Twin Tanks (00-1294), one tank overflow,

37) From Community Tank (11-1295), one tank overflow,

38) From TA-15 Tank (15-147), one tank overflow,

39) From TA-15 Tank (15-48), one filler pipe and one vent pipe,

40) From Pajarito Tank #4 (no structure number), one tank overflow and one inspection plate.

41) From Two Mile Mesa Tank (69-6), one tank overflow,

42) From TA-16 Tank (16-171), one tank overflow,

43) From TA-16 Tank (16-247), one tank overflow,

44) From URL-8 Tank (59-14), one tank overflow,

45) From TA-18 Tank (18-33), one tank overflow,

46) From Ta-21 Tank (21-334), three tank overflow,

47) From TA-36 Tank (36-116), one tank overflow,

48) From TA-53 Tank (53-55), one tank overflow,

49) From TA-54 Tank (54-71), one tank overflow,

50) From Guaje Booster Tank #3 (00-1289), one tank overflow,

51) From Guaje Booster Tank #3 (00-1288), one tank overflow,

52) From Guaje Booster Tank #2 (00-1286), one tank overflow,

53) From Guaje Booster Tank #2 (00-1287), one tank overflow,

54) From Barranca Tank #1 (00-1296), one tank overflow,

55) From Barranca Tank #2 (00-1297), one tank overflow,

56) From Guaje Booster Tank #1 (00-1285), one tank overflow,

57) From L.A. Booster Tanks #2 (no structure numbers), one tank overflow,

58) From Pajarito Booster Tank #2 (54-1006), one tank overflow,

59) Pajarito Booster Tank #3 (64-4), one tank overflow,

60) From Tank 64-3 (64-3), one tank overflow,

61) From S-Site #2 Tank (69-7), one tank overflow and one tank drain,

62) From L.A. Booster Tank #4 (73-10), one tank overflow,

Revised application forms have been included for the permitted outfalls. Flows shown on the included forms are estimated from site observations and discussions with users. Analytical data is defined from information obtained from previously sampled outfalls.

Recommendations for repiping are provided to permit outfall consolidation to minimize permit maintenance requirements and to bring the facility into compliance with the laboratory's NPDES permits and environmental policies. Floor drain plugging and spill containment is recommended wherever a potential exists for discharge of pollutants.

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

TABLE OF CONTENTS

APPENDICES

LIST OF TABLES

LIST OF FIGURES

7. GUAJE WELL #6 (0-1058), DRAIN SCHEMATIC
8. PAJARITO MESA WELL #1 (72-4), DRAIN SCHEMATIC
9. PAJARITO MESA WELL #2 (18-252), DRAIN SCHEMATIC
10. PAJARITO MESA WELL #3 (72-7), DRAIN SCHEMATIC
11. PAJARITO MESA WELL #4 (54-1013), DRAIN SCHEMATIC
12. PAJARITO MESA WELL #5 (5-26), DRAIN SCHEMATIC
13. GUAJE FILTER BOOSTER STATION (0-1107), DRAIN SCHEMATIC
14. BARRANCA TANK #1 PUMP HOUSE (0-1090), DRAIN SCHEMATIC
15. TA-16 MICROSTRAINER (16-404), DRAIN SCHEMATIC
16. GUAJE BOOSTER #1 (0-1112), DRAIN SCHEMATIC
17. GUAJE BOOSTER #2 (0-1113), DRAIN SCHEMATIC
18. GUAJE BOOSTER #3 (0-1114), DRAIN SCHEMATIC
19. L.A. BOOSTER STATION #3 (72-10), DRAIN SCHEMATIC
20. L.A. BOOSTER STATION #4 (73-9), DRAIN SCHEMATIC
21. NORTH FILL BOOSTER STATION #1 (0-1109), DRAIN SCHEMATIC
22. WESTERN BOOSTER STATION (0-1180), DRAIN SCHEMATIC
23. COMMUNITY PUMP HOUSE (0-1080), DRAIN SCHEMATIC
SOUTH SITE PUMP STATION (0-1110), DRAIN SCHEMATIC
S-SITE BOOSTER #1 (0-1111)
24. TA-53 FIRE PROTECTION HOUSE (53-54), DRAIN SCHEMATIC
25. PAJARITO BOOSTER STATION #1 (36-117), DRAIN SCHEMATIC
26. PAJARITO BOOSTER STATION #2 (54-1007), DRAIN SCHEMATIC
27. PAJARITO BOOSTER STATION #3 (64-5), DRAIN SCHEMATIC
28. S-SITE #2 PUMP STATION (6-63), DRAIN SCHEMATIC
29. GROUP 11 TANK (00-1291), DRAIN SCHEMATIC
GROUP 12 TANK (00-1290), DRAIN SCHEMATIC
30. SYCAMORE TANK (00-1122), DRAIN SCHEMATIC
WESTERN TANK (00-1301), DRAIN SCHEMATIC
31. TWIN TANKS (00-1293 & 1294), DRAIN SCHEMATIC
32. COMMUNITY TANK (0-1295), DRAIN SCHEMATIC
33. TA-15 TANK (15-147 & 48), DRAIN SCHEMATIC
34. PAJARITO TANK #4 (NO STRUCTURE #), DRAIN SCHEMATIC
TWO MILE MESA TANK (69-6), DRAIN SCHEMATIC
35. TA-16 TANKS (16-171 & 247), DRAIN SCHEMATIC
36. URL-8 TANK (59-14), DRAIN SCHEMATIC
TA-18 TANK (18-33), DRAIN SCHEMATIC
37. TA-21 TANK (21-334), DRAIN SCHEMATIC
TA-33 TANK (33-28), DRAIN SCHEMATIC

38. TA-36 TANK (36-116), DRAIN SCHEMATIC
39. TA-53 TANK (53-55), DRAIN SCHEMATIC
    TA-54 TANK (54-71), DRAIN SCHEMATIC
40. GUAJE BOOSTER TANK #3 (00-1289 & 1288), DRAIN SCHEMATIC
41. GUAJE BOOSTER TANK #2 (00-1286 & 1287), DRAIN SCHEMATIC
42. BARRANCA TANK #1 (00-1296), DRAIN SCHEMATIC
    BARRANCA TANK #2 (00-1297), DRAIN SCHEMATIC
43. GUAJE BOOSTER TANK #1 (0-1285), DRAIN SCHEMATIC
44. L.A. BOOSTER TANKS #2 (NO STRUCTURE #), DRAIN SCHEMATIC
45. PAJARITO BOOSTER TANK #2 (54-1006), DRAIN SCHEMATIC
    PAJARITO BOOSTER TANK #3 (64-4), DRAIN SCHEMATIC
46. TA-64 TANK (64-3), DRAIN SCHEMATIC
47. S-SITE #2 TANK (69-7), DRAIN SCHEMATIC
48. L.A. BOOSTER TANK #4 (73-10) DRAIN SCHEMATIC

1.0 INTRODUCTION

During January and February, 1994, Rich Penney of Santa Fe Engineering (SFE) toured the Los Alamos water structures. The purpose of this study is to identify building drain piping and to characterize the wastewater flows and sources existing at the time of the visit. This report will not reflect any subsequent changes in piping or operations. The Waste Steam Characterization Policy of September 10, 1992 was followed for this study. The following tasks were performed for this purpose:

1. Building drains and all piping exiting the building were identified and laid out in schematic form;

2. Wastewater sources were identified at each drain and the wastewater was characterized according to the flow rate and quality. The location of outfalls and their potential sources of discharges were determined. Potential pollutants were also noted;

3. Permit applications for discharges of clean water were prepared since these discharges require permitting at this time and

4. Potential problems were identified and recommendations were made for repiping, floor drain plugging and spill containment where deemed appropriate.

The field investigation proceeded by verifying drain schematic drawings prepared by SFE for the appropriate buildings and from drawings provided by Los Alamos National Laboratory (LANL) Facilities Engineering Division. The following process was used to define drain piping and characterize the wastewater streams:

1. Laboratory engineering drawings were used to prepare the SFE drain piping schematic. The Solid Waste Stream Characterization conducted by IT Corporation was reviewed. The National Pollutant Discharge Elimination System (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-92-1306 issued by EPA to the University of California were used for reference;

2. A site visit was performed to verify the SFE drain schematics and to identify potential outfall pipes exiting the building. The visit entailed a room by room inspection of wastewater sources and drains. Interviews with site personnel were conducted to assist in waste stream characterization and

3. SFE verified drain piping by dye checking.

2.0 FIELD INVESTIGATION

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

Each drain has a unique identification number. Each number consists of three parts. The first part is the floor the drain is on. The second part has letters that indicate the drain type (abbreviations used are summarized in Table 3). 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 functions of each pipe exiting from the buildings are listed in Appendix 1, Tables 2 through 63, with abbreviations listed in Table 1 and non-drain recommendations in Table 64. Appendix 2 contains the wastestream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Completed EPA forms are in Appendix 3 for appropriate outfalls. Appendix 4 provides information about the dye study of building drains. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 2 through 48. Figure 1 of Appendix 5 is a location plan of Los Alamos water structures.

3.0 RECOMMENDATIONS FOR GUAJE WELL #1 (0-1117)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 2 is a list of drains to the outfalls and Figure 2 is a schematic of the drain piping. Table 2 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 these recommendations.

3.1 Outfall 0-1117-OPN-1

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow from this drain. There is an oil storage can and an air compressor nearby. These could possibly effect the floor drain as neither one has secondary containment. It is recommended that secondary containment be provided for the oil can and the air compressor drain be containerized. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

3.2 Outfall 0-1117-OPN-2

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by a Notice of Intent (NOI) to discharge. No EPA forms were prepared.

3.3 Outfall 0-1117-OPN-3

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A171. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that

this outfall then be covered by an NOI. However, an EPA Form 2C has been filed and can be found in Appendix 3 of this report.

4.0 RECOMMENDATIONS FOR GUAJE WELL #1A (0-1054)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 3 is a list of drains to the outfalls and Figure 3 is a schematic of the drain piping. Table 3 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 these recommendations.

4.1 Outfall 0-1054-OPN-1

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow. There is an oil storage can and an air compressor nearby. These could possibly effect the floor drain as neither one has secondary containment. It is recommended that secondary containment be provided for the oil can and the air compressor drain be containerized. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

4.2 Outfall 0-1054-OPN-2

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

4.3 Outfall 0-1054-OPN-3

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A172. This outfall flushes well water approximately five minutes per year. Due to its infrequent

discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, an EPA Form 2C has been filed and can be found in Appendix 3 of this report.

5.0 RECOMMENDATIONS FOR GUAJE WELL #2 (0-1118)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 4 is a list of drains to the outfalls and Figure 4 is a schematic of the drain piping. Table 4 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 these recommendations.

5.1 Outfall 0-1118-OPN-1

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

5.2 Outfall 0-1118-OPN-2

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow. There is an oil storage can and an air compressor nearby. These could possibly effect the floor drain as neither one has secondary containment. It is recommended that secondary containment be provided for the oil can and the air compressor drain be containerized. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

5.3 Outfall 0-1118-OPN-3

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A173. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued, pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

6.0 RECOMMENDATIONS FOR GUAJE WELL #4 (0-1120)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 5 is a list of drains to the outfalls and Figure 5 is a schematic of the drain piping. Table 5 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 these recommendations.

6.1 Outfall 0-1120-OPN-1

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

6.2 Outfall 0-1120-OPN-2

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A174. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued, pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

6.3 Outfall 0-1120-OPN-3

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow. There is an oil storage can nearby. This could possibly effect the floor drain as it has no secondary containment. It is recommended that secondary containment be provided for the oil can. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

7.0 RECOMMENDATIONS FOR GUAJE WELL #5 (0-1121)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 6 is a list of drains to the outfalls and Figure 6 is a schematic of the drain piping. Table 6 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 these recommendations.

7.1 Outfall 0-1121-OPN-1

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

7.2 Outfall 0-1121-OPN-2

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow. It is recommended that the floor drain be plugged. No EPA forms were prepared.

7.3 Outfall 0-1121-OPN-3

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A175. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

8.0 RECOMMENDATIONS FOR GUAJE WELL #6 (0-1058)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 7 is a list of drains to the outfalls and Figure 7 is a schematic of the drain piping. Table 7 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 these recommendations.

8.1 Outfall 0-1058-OPN-1

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

8.2 Outfall 0-1058-OPN-2

This outfall receives flow from (1) floor drain and flows to daylight, however, there is no active flow. There is an oil storage can and an air compressor nearby. These could possibly effect the floor drain as neither one has secondary containment. It is recommended that secondary containment be provided for the oil can and the air compressor be containerized. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

8.3 Outfall 0-1058-OPN-3

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A176. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

8.4 Outfall 0-1058-OPN-4

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

8.5 Outfall 0-1058-OPN-5

This outfall is a floor level drain pipe running through the wall of the structure to daylight. It receives flow from water well leaks. There is currently no flow. This outfall should be covered by an NOI. No EPA forms were prepared.

9.0 RECOMMENDATIONS FOR PAJARITO MESA WELL #1 (72-4) AND (72-5)

These water wells are two of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Tables 8 and 9 lists the drains to the outfalls and Figure 8 is a schematic of the drain piping. Tables 8 and 9 list the drains that connect to the outfall pipes and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for these recommendations.

9.1 Outfall 72-4-OPN-1

This outfall receives intermittent flow from a vacuum breaker discharge line and a pump casing drain which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

9.2 Outfall 72-4-OPN-2

This outfall is a floor level drain pipe running through the wall of the structure to daylight. It receives flow from well water leaks. There is currently no flow. This outfall should be covered by an NOI. No EPA forms were prepared.

9.3 Outfall 72-5-OPN-1

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A163. This outfall flushes 5,600 gallons of well water per day. Due to its automatic discharge of well water, it is recommended that this outfall pipe be metered. A form 2C has been filed and can be found in Appendix 3 of this report.

10.0 RECOMMENDATIONS FOR PAJARITO MESA WELL #2 (18-252)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 10 is a list of drains to the outfalls and Figure 9 is a schematic of the drain piping. Table 10 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 these recommendations.

10.1 Outfall 18-252-OPN-1

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A164. This outfall flushes well

water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

10.2 Outfall 18-252-OPN-2

This outfall receives intermittent flow from a vacuum breaker discharge line and a pump casing drain which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

10.3 Outfall 18-252-OPN-3

This outfall receives flow from (1) sand sampler. The flow is a minimal amount of potable water to daylight. This outfall should be covered by an NOI. No EPA forms were prepared.

10.4 Outfall 18-252-OPN-4

This outfall is a floor level drain pipe running through the wall of the structure to daylight. It receives flow from well water leaks. There is currently no active flow. This outfall should be covered by an NOI. No EPA forms were prepared.

11.0 RECOMMENDATIONS FOR PAJARITO MESA WELL #3 (72-7)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 11 is a list of drains to the outfalls and Figure 10 is a schematic of the drain piping. Table 11 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 these recommendations.

11.1 Outfall 72-7-OPN-1

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A165. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water. It is recommended that this outfall pipe be metered. It is also recommended that this outfall be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

11.2 Outfall 72-7-OPN-2

This outfall receives intermittent flow from a vacuum breaker discharge line and a pump casing drain which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

11.3 Outfall 72-7-OPN-3

This outfall is a floor level drain pipe running through the wall of the structure to daylight. It receives flow from one sand sampler. It is recommended that secondary containment be provided for the 5 gallon oil can in the well room. This outfall should be covered by an NOI, however, an EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

11.4 Outfall 72-7-OPN-4

This outfall receives flow from a backflow preventer and discharges to daylight. It should be covered by an NOI. No piping changes are recommended and no EPA forms were prepared.

12.0 RECOMMENDATIONS FOR PAJARITO MESA WELL #4 (54-1013)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of

the outfalls are potable water and go to daylight. Table 12 is a list of drains to the outfalls and Figure 11 is a schematic of the drain piping. Table 12 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 these recommendations.

12.1 Outfall 54-1013-OPN-1

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A118. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

12.2 Outfall 54-1013-OPN-2

This outfall receives flow from (2) floor drains and flows to daylight. There is an overhead antifreeze tank nearby. This could possibly effect the floor drain as it has no secondary containment. It is recommended that adequate secondary containment be provided for the antifreeze tank. It is also recommended that the floor drain be plugged. However, an EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

13.0 RECOMMENDATIONS FOR PAJARITO MESA WELL #5 (5-26)

This water well is one of eleven wells serving the Los Alamos area and all are somewhat typical in construction and function. Most of the outfalls are potable water and go to daylight. Table 13 is a list of drains to the outfalls and Figure 12 is a schematic of the drain piping. Table 13 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 these recommendations.

13.1 Outfall 5-26-OPN-1

This outfall receives flow from a 4" well water flush line. It is currently permitted as EPA outfall 04A166. This outfall flushes well water approximately five minutes per year. Due to its infrequent discharge of well water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

13.2 Outfall 5-26-OPN-2

This outfall receives flow from (1) floor drain and flows to daylight, however, it has no active flow. There is an oil storage tank nearby. This could possibly effect the floor drain as it has no secondary containment. It is recommended that secondary containment be provided for the oil storage tank. It is also recommended that the floor drain be plugged. No EPA forms were prepared.

13.3 Outfall 5-26-OPN-3

This outfall receives intermittent flow from a vacuum breaker discharge line which flows to daylight. This is potable water, therefore, no piping changes are recommended. This outfall should be covered by an NOI. No EPA forms were prepared.

13.4 Outfall 5-26-OPN-4

This outfall would receive flow in the event of the above mentioned oil storage tank being overfilled (no active flow). It is recommended that this overflow and it's associated piping be removed and secondary containment be provided. No EPA forms were prepared.

14.0 RECOMMENDATIONS FOR GUAJE FILTER BOOSTER STATION (0-1107)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 14 is a list of drains to the outfalls and Figure 13 is a schematic of the drain piping. Table 14 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 these recommendations.

14.1 Outfall 0-1107-OPN-1

This outfall receives intermittent flow from a sump pump and is connected to the Los Alamos County sanitary sewer system. No changes or permits are recommended for this outfall. No EPA forms were prepared.

15.0 RECOMMENDATIONS FOR BARRANCA TANK #1 PUMP HOUSE (0-1090)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 15 is a list of drains to the outfalls and Figure 14 is a schematic of the drain piping. Table 15 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 these recommendations.

15.1 Outfall 0-1090-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. No EPA forms were prepared.

16.0 RECOMMENDATIONS FOR TA-16 MICROSTRAINER (16-404)

This pump station is one of eighteen pump stations in the Los Alamos Water System, however, this one is out of service. Most of the outfalls are well water and drain to daylight. Table 16 is a list of drains to the outfalls and Figure 15 is a schematic of the drain piping. Table 16 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 these recommendations.

16.1 Outfall 16-404-OPN-1

This outfall receives flow from (4) floor drains and flows to daylight. It is recommended that all of the floor drains be plugged. Note that occasional remote pumping of the sump area may be required. An EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

17.0 RECOMMENDATIONS FOR TA-16 MICROSTRAINER CHLORINE BLDG. (16-560)

Most of the outfalls are well water and drain to daylight. Table 17 is a list of drains to the outfalls and Figure 15 is a schematic of the drain piping. Table 17 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 these recommendations.

17.1 Outfall 16-560-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. No EPA forms were prepared.

17.2 Outfall 16-560-OPN-2

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

17.3 Outfall 16-560-OPN-3

This outfall is an abandoned pipe protruding from the wall of the building. It is recommended this pipe be removed and the wall opening covered. No EPA forms were prepared.

18.0 RECOMMENDATIONS FOR GUAJE BOOSTER #1 (0-1112)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. This pump station includes a sand bed that is still in use. Most of the outfalls are well water and drain to daylight. Table 18 is a list of drains to the outfalls and Figure 16 is a schematic of the drain piping. Table 18 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 these recommendations.

18.1 Outfall 0-1112-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. No EPA forms were prepared.

18.2 Outfall 0-1112-OPN-2

This outfall receives flow from a well water sand bed. It is currently permitted as EPA outfall 04A177. Due to its infrequent discharge of water, it is recommended that this EPA permit be discontinued pending review by ESH-8. It is also recommended that

this outfall then be covered by an NOI. However, a form 2C has been filed and can be found in Appendix 3 of this report.

19.0 RECOMMENDATIONS FOR GUAJE BOOSTER #2 (0-1113)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 19 is a list of drains to the outfalls and Figure 17 is a schematic of the drain piping. Table 19 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 these recommendations.

19.1 Outfall 0-1113-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. No EPA forms were prepared.

19.2 Outfall 0-1113-OPN-2

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

20.0 RECOMMENDATIONS FOR GUAJE BOOSTER #3 (0-1114)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 20 is a list of drains to the outfalls and Figure 18 is a schematic of the drain piping. Table 20 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 these recommendations.

20.1 Outfall 0-1114-OPN-1

This outfall receives flow from (4) floor drains and flows to daylight. It is recommended that all the floor drains be plugged. However, an EPA Form 2D has been prepared for this outfall and can be found in Appendix 3. Note that occasional remote pumping of sump area may be required.

20.2 Outfall 0-1114-OPN-2

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

20.3 Outfall 0-1114-OPN-3

This outfall is a floor level drain pipe that has been plugged. No changes or permits are recommended for this outfall. No EPA forms were prepared.

20.4 Outfall 0-1114-OPN-4

This outfall is an abandoned pipe which protrudes from the building. It is recommended that this pipe be removed. No EPA forms were prepared.

21.0 RECOMMENDATIONS FOR LOS ALAMOS BOOSTER #3 (72-1)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 21 is a list of drains to the outfalls and Figure 19 is a schematic of the drain piping. Table 21 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 these recommendations.

21.1 Outfall 72-1-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. No EPA forms were prepared.

22.0 RECOMMENDATIONS FOR LOS ALAMOS BOOSTER #4 (73-9)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 22 is a list of drains to the outfalls and Figure 20 is a schematic of the drain piping. Table 22 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 these recommendations.

22.1 Outfall 73-9-OPN-1

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

22.2 Outfall 73-9-OPN-2

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. No EPA forms were prepared.

23.0 RECOMMENDATIONS FOR NORTH FILL BOOSTER STATION #1 (0-1109)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 23 is a list of drains to the outfalls and Figure 21 is a schematic of the drain piping. Table 23 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 these recommendations.

23.1 Outfall 0-1109-OPN-1

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

23.2 Outfall 0-1109-OPN-2

This outfall is a floor level drain pipe running through the wall of the structure to daylight. It receives flow from (2) PRV drains. This outfall should be covered by an NOI. No EPA forms were prepared.

24.0 RECOMMENDATIONS FOR COMMUNITY PUMP HOUSE (0-1080)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 24 is a list of drains to the outfalls and Figure 23 is a schematic of the drain piping. Table 24 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 these recommendations

24.1 Outfalls 0-1080-OPN-1, 0-1080-OPN-2, 0-1080-OPN-3 and 0-1080-OPN-4

These outfalls are floor level drain pipes running through the wall of the structure to daylight. They receive flow well water leaks. These outfalls should be covered by an NOI. No EPA forms were prepared.

25.0 RECOMMENDATIONS FOR SOUTH SITE PUMP STATION (0-1110)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 25 is a list of drains to the outfalls and Figure 23 is a schematic of the drain piping. Table 25 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 these recommendations.

25.1 Outfall 0-1110-OPN-1

This outfall receives flow from (1) floor drain. This outfall could not be found. It is recommended that the floor drain be plugged. No EPA forms were prepared.

25.2 Outfall 0-1110-OPN-2

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

25.3 Outfall 0-1110-OPN-3 and 0-1110-OPN-4

These outfalls are both abandoned pipes. It is recommended that they be removed and the holes in the wall be filled. No permits recommended for these outfalls and no EPA forms were prepared.

26.0 RECOMMENDATIONS FOR S-SITE BOOSTER #1 (0-1111)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 26 is a list of drains to the outfalls and Figure 23 is a schematic of the drain piping. Table 26 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 these recommendations.

26.1 Outfall 0-1111-OPN-1

This outfall is from (1) floor drain and flows to daylight (no current flow). It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. No EPA forms were prepared.

27.0 RECOMMENDATIONS TA-53 FIRE PROTECTION HOUSE (53-54)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 27 is a list of drains to the outfalls and Figure 24 is a schematic of the drain piping. Table 27 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 these recommendations.

27.1 Outfall 53-54-OPN-1

This outfall to daylight receives flow from (1) floor drain and (3) fire equipment drains. It is recommended that the floor drain be plugged. It is also recommended that the outfall be covered by an NOI. No EPA forms were prepared.

28.0 RECOMMENDATIONS FOR PAJARITO BOOSTER STATION #1 (36-117)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 28 is a list of drains to the outfalls and Figure 25 is a schematic of the drain piping. Table 28 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 these recommendations.

28.1 Outfall 36-117-OPN-1

This outfall receives flow from (8) floor drains and flows to daylight. It is recommended that all of the floor drains be plugged. Note that occasional remote pumping of sump area may be required. An EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

28.2 Outfall 36-117-OPN-2

This outfall is a potable water drain pipe running through the wall of the structure to daylight. It receives flow from a potable water tank. This outfall should be covered by an NOI. No EPA forms were prepared.

29.0 RECOMMENDATIONS FOR PAJARITO BOOSTER STATION #2 (54-1007)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 29 is a list of drains to the outfalls and Figure 26 is a schematic of the drain piping. Table 29 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 these recommendations.

29.1 Outfall 54-1007-OPN-1

This outfall receives flow from (8) floor drains and flows to daylight. It is recommended that the floor drain be plugged. Note that occasional remote pumping of sump area may be required. An EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

29.2 Outfall 54-1007-OPN-2

This outfall is a potable water drain pipe running through the wall of the structure to daylight. It receives flow from a potable water tank This outfall should be covered by an NOI. No EPA forms were prepared.

30.0 RECOMMENDATIONS FOR CHLORINE BUILDING (54-1008)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 30 is a list of drains to the outfalls and Figure 26 is a schematic of the drain piping. Table 30 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 these recommendations.

30.1 Outfall 54-1008-OPN-1

This outfall is from a chlorine room and vents to the atmosphere. No changes or permits are recommended. No EPA forms were prepared.

30.2 Outfall 54-1008-OPN 2

This outfall is an abandoned pipe running through the wall of the structure to daylight. It is recommended this pipe be removed and the hole in the wall be filled. No EPA forms were prepared.

31.0 RECOMMENDATIONS FOR PAJARITO BOOSTER STATION #3 (64-5)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 31 is a list of drains to the outfalls and Figure 27 is a schematic of the drain piping. Table 31 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 these recommendations.

31.1 Outfall 64-5-OPN-1

This outfall receives flow from (8) floor drains and flows to daylight. It is recommended that all of the floor drains be plugged. Note that occasional remote pumping of sump area may be required. An EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

31.2 Outfall 64-5-OPN-2

This outfall is a potable water drain pipe running through the wall of the structure to daylight. It receives flow from a potable water tank. This outfall should be covered by an NOI. No EPA forms were prepared.

32.0 RECOMMENDATIONS FOR S-SITE #2 PUMP STATION (6-63)

This pump station is one of eighteen pump stations in the Los Alamos Water System and are all somewhat similar in configuration. Most of the outfalls are well water and drain to daylight. Table 32 is a list of drains to the outfalls and Figure 28 is a schematic of the drain piping. Table 32 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 these recommendations.

32.1 Outfall 6-63-OPN-1

This outfall receives flow from (4) floor drains and flows to daylight. It is recommended that all of the floor drains be plugged and the air compressor drain be containerized. Note that occasional remote pumping of sump area may be required. An EPA Form 2D has been prepared for this outfall and can be found in Appendix 3.

33.0 RECOMMENDATIONS FOR LOS ALAMOS POTABLE WATER STORAGE TANKS TA-00-1291, 00-1290, 00-1122, 00-1301, 00-1293, 00-1294, 00-1295, 15-147, 15-48, PAJARITO TANK #4, 69-6, 16-171, 16-247, 59-14, 18-33, 21-334, 33-28, 36-116, 53-55, 54-71, 00-1289, 00-1288, 00-1286, 00-1287, 00-1296, 00-1297, 00-1285, L.A. BOOSTER TANKS #2, 54-1006, 64-4, 64-3, 73-10 AND 69-7

There are thirty-three potable water storage tanks in the Los Alamos water system. Each tank has an overflow pipe, some outfall at the top of the tank and some outfall at the concrete header in the vicinity and all discharge to daylight. These pipes rarely discharge, therefore, it is recommended that all overflow pipes be covered by an NOI. Tables 33 through 63 show each of these drains respectively. No changes are recommended and no EPA forms were prepared.

34.0 CONCLUSION

This document provides the information to characterize the Los Alamos water structures. NPDES permit application forms have been completed for the following outfalls:

EPA Forms 2C:

1.	0-1117-OPN-3 (04A171)	2.	0-1054-OPN-3	(04A172)
3.	0-1118-OPN-3 (04A173)	4.	0-1120-OPN-2	(04A174)
5.	0-1121-OPN-3 (04A175)	6.	0-1058-OPN-3	(04A176)
7.	72-5-OPN-1 (04A163)	8.	18-252-OPN-1	(04A164)
9.	72-7-OPN-1 (04A165)	10.	5-26-OPN-1	(04A166)
11.	0-1112-OPN-2 (04A177)	12.	54-1013-OPN-1	(04A118)
13.	74-4-OPN-3 (04A163)			

EPA Forms 2D:

1.	72-7-OPN-3	2.	54-1013-OPN-2	3.	16-404-OPN-1
4.	0-1114-OPN-1	5.	36-117-OPN-1	6.	54-1007-OPN-1
7.	64-5-OPN-1	8.	6-63-OPN-1		

Other outlet pipes are as follows:

Discharges to daylight from vacuum breakers:

1.	0-1117-OPN-2	2.	0-1054-OPN-2	3.	0-1118-OPN-1
4.	0-1120-OPN-1	5.	0-1121-OPN-1	6.	0-1058-OPN-1
7.	0-1058-OPN-4	8.	18-252-OPN-2	9.	12-7-OPN-2
10.	5-26-OPN-3				

Discharges to daylight from floor drains:

1.	0-1117-OPN-1	2.	0-1054-OPN-1	3.	0-1118-OPN-2
4.	0-1120-OPN-3	5.	0-1121-OPN-2	6.	0-1058-OPN-2
7.	72-4-OPN-2	8.	18-252-OPN-4	9.	5-26-OPN-2
10.	0-1090-OPN-1	11.	16-560-OPN-1	12.	0-1113-OPN-1
13.	72-1-OPN-1	14.	73-9-OPN-2	15.	0-1109-OPN-2
16.	0-1080-OPN-1	17.	0-1080-OPN-2	18.	0-1110-OPN-1
19.	0-1111-OPN-1	20.	53-54-OPN-1	21.	0-1114-OPN-4

Discharges to daylight from chlorine vents:

1. 0-1113-OPN-2 2. 0-1114-OPN-3 3. 73-9-OPN-1
4. 0-1109-OPN-1 5. 0-1110-OPN-2

Discharges to daylight from pump casing drains:

1. 72-4-OPN-1

Discharges to daylight from sand samplers:

1. 18-252-OPN-3

Discharges to daylight from sand beds:

1. 0-1112-OPN-2

Discharges to daylight from water tank overflows:

1. 00-1291-OPN-1 2. 00-1290-OPN-1 3. 00-1122-OPN-1
4. 00-1301-OPN-1 5. 00-1293-OPN-1 6. 00-1294-OPN-1
7. 00-1295-OPN-1 8. 15-147-OPN-1 9. Pajarito Tank #4-OPN-1
10. 69-6-OPN-1 11. 16-171-OPN-1 12. 16-247-OPN-1
13. 59-14-OPN-1 14. 18-33-OPN-1 15. 21-334-OPN-1
16. 21-334-OPN-2 17. 21-334-OPN-3 18. 36-116-OPN-1
19. 53-55-OPN-1 20. 54-71-OPN-1 21. 00-1289-OPN-1
22. 00-1288-OPN-1 23. 00-1286-OPN-1 24. 00-1287-OPN-1
25. 00-1296-OPN-1 26. 00-1297-OPN-1 27. 00-1285-OPN-1
28. 54-1006-OPN-1 29. 64-4-OPN-1 30. 64-3-OPN-1
31. 69-7-OPN-1 32. L.A. Booster Tank #2, West-OPN-1
33. L.A. Booster Tank #2, East-OPN-1

Discharges to daylight from small oil storage tank:

1. 5-26-OPN-4

Discharges to Los Alamos County sanitary sewer system:

1. 0-1107-OPN-1

Discharges to daylight from backflow preventers:

1. 72-7-OPN-4

Recommended permitting and corrective action items are outlined in Tables 2 through 64 as well as in the above text. Corrective actions should be performed as soon as practicable to minimize the chance of unpermitted discharge of pollutants.

TABLE 1:
SUMMARY OF
ABBREVIATIONS

ABBREVIATION	MEANING
FD	Floor Drain
ED	Equipment Drain
SP	Sump Pump

TABLE 2: GUAJE WELL #1 (0-1117) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1117-OPN-1 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO
0-1117-OPN-2 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1117-OPN-3 04A171	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES

TABLE 3: GUAJE WELL #1A (0-1054) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1054-OPN-1 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO
0-1054-OPN-2 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1054-OPN-3 04A172	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES

TABLE 4: GUAJE WELL #2 (0-1118) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1118-OPN-1 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1118-OPN-2 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO
0-1118-OPN-3 04A173	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES

TABLE 5: GUAJE WELL #4 (0-1120) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1120-OPN-1 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1120-OPN-2 04A174	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES
0-1120-OPN-3 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO

TABLE 6: GUAJE WELL #5 (0-1121) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1121-OPN-1 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1121-OPN-2 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO
0-1121-OPN-3 04A175	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES

TABLE 7: GUAJE WELL #6 (0-1058) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1058-OPN-1 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1058-OPN-2 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUGGED	NO
0-1058-OPN-3 04A176	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES
0-1058-OPN-4 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
0-1058-OPN-5 DAYLIGHT	N/A	FLOOR LEVEL DRAIN	N/A	REMOVE	NO

TABLE 8: PAJARITO MESA WELL #1 (72-4) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
72-4-OPN-1 DAYLIGHT	N/A	PUMP CASING DRAIN	N/A	NOI	NO
72-4-OPN-2 DAYLIGHT	N/A	FLOOR LEVEL DRAIN	N/A	REMOVE	NO

TABLE 9: PAJARITO MESA WELL #1 (72-5) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
72-5-OPN-1 04A163	N/A	WELL WATER FLUSH	N/A	METER	YES

TABLE 10: PAJARITO MESA WELL #2 (18-252)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
18-252-OPN-1 04A164	N/A	WELL WATER FLUSH	N/A	DELETE/PERMIT NOI	YES
18-252-OPN-2 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
18-252-OPN-3 DAYLIGHT	N/A	SAND SAMPLER	N/A	NOI	NO
18-252-OPN-4 DAYLIGHT	N/A	FLOOR LEVEL DRAIN	N/A	REMOVE	NO

TABLE 11: PAJARITO MESA WELL #3 (72-7)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
72-7-OPN-1 04A165	N/A	WELL WATER FLUSH	N/A	METER	YES
72-7-OPN-2 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
72-7-OPN-3 DAYLIGHT	N/A	FLOOR LEVEL DRAIN	N/A	NOI/PERMIT	YES
72-7-OPN-4 DAYLIGHT	N/A	BACKFLOW PREVENTER	N/A	NOI	NO

TABLE 12: PAJARITO MESA WELL #4 (54-1013)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
54-1013-OPN-1 04A118	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES
54-1013-OPN-2 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	YES
	1FD2	WELL HOUSE	N/A	PLUG	

TABLE 13: PAJARITO MESA WELL #5 (5-26)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
5-26-OPN-1 04A166	N/A	WELL WATER FLUSH	N/A	DELETE PERMIT NOI	YES
5-26-OPN-2 DAYLIGHT	1FD1	WELL HOUSE	N/A	PLUG	NO
5-26-OPN-3 DAYLIGHT	N/A	VACUUM BREAKER DSCH	N/A	NOI	NO
5-26-OPN-4 DAYLIGHT	N/A	OIL TANK OVERFLOW	N/A	REMOVE/CONTAIN	NO

TABLE 14: GUAJE FILTER BOOSTER STATION (0-1107)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1107-OPN-1 L.A. COUNTY SAN. SEWER	N/A	SUMP PUMP	N/A	NO CHANGE	NO

TABLE 15: BARRANCA TANK #1 PUMP HOUSE (0-1090) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1090-OPN-1 DAYLIGHT	1FD1	PUMP HOUSE	N/A	PLUG	NO

TABLE 16: TA-16 MICROSTRAINER (16-404) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
16-404-OPN-1 DAYLIGHT	1FD1	PUMP HOUSE	N/A	PLUG	YES
	1FD2	PUMP HOUSE	N/A	PLUG	
	1FD3	PUMP HOUSE	N/A	PLUG	
	1FD4	PUMP HOUSE	N/A	PLUG	

TABLE 17: TA-16 MICROSTRAINER CHLORINE BLDG. (16-560) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
16-560-OPN-1 DAYLIGHT	1FD1	CHLORINE BUILDING	N/A	PLUG	NO
16-560-OPN-2	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
16-560-OPN-3	N/A	ABANDONED PIPE	N/A	REMOVE	NO

TABLE 18: GUAJE BOOSTER #1 (0-1112)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1112-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	NO
0-1112-OPN-2 04A177	N/A	SAND BED	N/A	DELETE PERMIT NOI	YES

TABLE 19: GUAJE BOOSTER #2 (0-1113)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1113-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	NO
0-1113-OPN-2	N/A	CHLORINE VENT	N/A	NO CHANGE	NO

TABLE 20: GUAJE BOOSTER #3 (0-1114)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1114-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	YES
	1FD2	BOOSTER STATION	N/A	PLUG	
	1FD3	BOOSTER STATION	N/A	PLUG	
	1FD4	BOOSTER STATION	N/A	PLUG	
0-1114-OPN-2	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
0-1114-OPN-3 DAYLIGHT	N/A	FLOOR LEVEL DRAIN	N/A	PLUGGED	NO
0-1114-OPN-4	N/A	ABANDONED PIPE	N/A	REMOVE	NO

TABLE 21: LOS ALAMOS BOOSTER #3 (72-1)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
72-1-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	NO

TABLE 22: LOS ALAMOS BOOSTER #4 (73-9)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
73-9-OPN-1	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
73-9-OPN-2 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	NO

TABLE 23: NORTH FILL BOOSTER STATION #1

(0-1109) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1109-OPN-1	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
0-1109-OPN-2 DAYLIGHT	N/A	FLOOR LEVEL DRAIN (2) PRV'S	N/A	NOI	NO

TABLE 24: COMMUNITY PUMP HOUSE (0-1080) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1080-OPN-1	N/A	FLOOR LEVEL DRAIN	N/A	NOI	NO
0-1080-OPN-2	N/A	FLOOR LEVEL DRAIN	N/A	NOI	NO
0-1080-OPN-3	N/A	FLOOR LEVEL DRAIN	N/A	NOI	NO
0-1080-OPN-4	N/A	FLOOR LEVEL DRAIN	N/A	NOI	NO

TABLE 25: SOUTH SITE PUMP STATION (0-1110) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1110-OPN-1 DAYLIGHT	1FD1	PUMP STATION	N/A	PLUG	NO
0-1110-OPN-2	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
0-1110-OPN-3	N/A	ABANDONED PIPE	N/A	REMOVE	NO
0-1110-OPN-4	N/A	ABANDONED PIPE	N/A	REMOVE	NO

TABLE 26: S-SITE BOOSTER #1 (0-1111) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
0-1111-OPN-1	1FD1	BOOSTER STATION	N/A	PLUG	NO

TABLE 27: TA-53 FIRE PROTECTION HOUSE (53-54) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
53-54-OPN-1 DAYLIGHT	1FD1	FIRE PROTECTION	N/A	PLUG	NO
	1ED1	FIRE PROTECTION	N/A	NOI	
	1ED2	FIRE PROTECTION	N/A	NOI	
	1ED3	FIRE PROTECTION	N/A	NOI	

TABLE 28: PAJARITO BOOSTER STATION #1 (36-117) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
36-117-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	YES
	1FD2	BOOSTER STATION	N/A	PLUG	
	1FD3	BOOSTER STATION	N/A	PLUG	
	1FD4	BOOSTER STATION	N/A	PLUG	
	1FD5	BOOSTER STATION	N/A	PLUG	
	1FD6	BOOSTER STATION	N/A	PLUG	
	1FD7	BOOSTER STATION	N/A	PLUG	
	1FD8	BOOSTER STATION	N/A	PLUG	
36-117-OPN-2	N/A	POTABLE WTR TNK DRAIN	N/A	NOI	NO

TABLE 29: PAJARITO BOOSTER STATION #2
(54-1007) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
54-1007-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	YES
	1FD2	BOOSTER STATION	N/A	PLUG	
	1FD3	BOOSTER STATION	N/A	PLUG	
	1FD4	BOOSTER STATION	N/A	PLUG	
	1FD5	BOOSTER STATION	N/A	PLUG	
	1FD6	BOOSTER STATION	N/A	PLUG	
	1FD7	BOOSTER STATION	N/A	PLUG	
	1FD8	BOOSTER STATION	N/A	PLUG	
54-1007-OPN-2	N/A	POTABLE WTR TNK DRAIN	N/A	NOI	NO

TABLE 30: CHLORINE BUILDING
(54-1008) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
54-1008-OPN-1	N/A	CHLORINE VENT	N/A	NO CHANGE	NO
54-1008-OPN-2	N/A	NON-CONNECT PIPE	N/A	NO CHANGE	NO

TABLE 31: PAJARITO BOOSTER STATION #3

(64-5) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
64-5-OPN-1 DAYLIGHT	1FD1	BOOSTER STATION	N/A	PLUG	YES
	1FD2	BOOSTER STATION	N/A	PLUG	
	1FD3	BOOSTER STATION	N/A	PLUG	
	1FD4	BOOSTER STATION	N/A	PLUG	
	1FD5	BOOSTER STATION	N/A	PLUG	
	1FD6	BOOSTER STATION	N/A	PLUG	
	1FD7	BOOSTER STATION	N/A	PLUG	
	1FD8	BOOSTER STATION	N/A	PLUG	
64-5-OPN-2	N/A	POTABLE WTR TNK DRAIN	N/A	NOI	NO

TABLE 32: S-SITE #2 PUMP STATION

(6-63) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
6-63-OPN-1 DAYLIGHT	1FD1	PUMP STATION	N/A	PLUG	YES
	1FD2	PUMP STATION	N/A	PLUG	
	1FD3	PUMP STATION	N/A	PLUG	
	1FD4	PUMP STATION	N/A	PLUG	

TABLE 33: GROUP 11 TANK (00-1291)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1291-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 34: GROUP 12 TANK (00-1290)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1290-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 35: SYCAMORE TANK (00-1122)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1122-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 36: WESTERN TANK (00-1301)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1301-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 37: TWIN TANKS (00-1293 AND 1294)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1293-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 38: COMMUNITY TANK (00-1295)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1295-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 39: TA-15 TANK (15-147)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
15-147-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO
15-147-OPN-2	N/A	TANK VENT	N/A	NO CHANGE	NO

TABLE 40: TA-15 TANK (15-48)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
15-48-OPN-1	N/A	TANK FILL	N/A	NO CHANGE	NO
15-48-OPN-2	N/A	TANK VENT	N/A	NO CHANGE	NO

TABLE 41: PAJARITO TANK #4

(NO STRUCTURE NUMBER) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 42: TWO MILE MESA TANK (69-6) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
69-6-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 43: TA-16 TANKS (16-171) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
16-171-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 44: TA-16 TANKS (16-247) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
16-247-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 45: URL-8 TANK (59-14) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
59-14-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 46: TA-18 TANK (18-33)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
18-33-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 47: TA-21 TANK (21-334)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
21-334-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO
21-334-OPN-2	N/A	TANK OVERFLOW	N/A	NOI	NO
21-334-OPN-3	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 48: TA-36 TANK (36-116)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
36-116-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 49: TA-53 TANK (53-55)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
53-55-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 50: TA-54 TANK (54-71)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
54-71-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 51: GUAJE BOOSTER TANK #3 (00-1289)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1289-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 52: GUAJE BOOSTER TANK #3 (00-1288)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1288-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 53: GUAJE BOOSTER TANK #2 (00-1286)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1286-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 54: GUAJE BOOSTER TANK #2 (00-1287)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1287-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 55: BARRANCA TANK #1 (00-1296)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1296-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 56: BARRANCA TANK #2 (00-1297)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1297-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 57: GUAJE BOOSTER TANK #1 (00-1285)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
00-1285-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 58: LOS ALAMOS BOOSTER TANKS #2 (NO STRUCTURE NUMBER) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
WEST-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 59: PAJARITO BOOSTER TANK #2 (54-1006) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
54-1006-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 60: PAJARITO BOOSTER TANK #3 (64-4) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
64-4-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 61: TA-64 TANK (64-3) DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
64-3-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 62: S-SITE #2 TANK (69-7)

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
69-7-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 63: L.A. BOOSTER TANK #4

DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
73-10-OPN-1	N/A	TANK OVERFLOW	N/A	NOI	NO

TABLE 64
NON-DRAIN RECOMMENDATIONS

TECH AREA	BUILDING NO.	ROOM OR AREA	RECOMMENDATION
0	1117	GUAJE WELL #1	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A171
0	1054	GUAJE WELL #1A	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC CONTAIN AIR COMPRESSOR DRAIN DELETE PERMIT 04A172
0	1118	GUAJE WELL #2	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A173
0	1120	GUAJE WELL #4	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A174
0	1121	GUAJE WELL #5	DELETE PERMIT 04A175
0	1058	GUAJE WELL #6	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC CONTAIN AIR COMPRESSOR DRAIN DELETE PERMIT 04A176
72	4	PAJARITO MESA WELL #1	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC
72	5	PAJARITO MESA WELL #1	DELETE PERMIT 04A163
18	252	PAJARITO MESA WELL #2	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A164
72	7	PAJARITO MESA WELL #3	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A165
54	1013	PAJARITO MESA WELL #4	SEC. CONTAIN ANTIFREEZE TANK SEC. CONTAIN DRUM STORAGE DELETE PERMIT 04A118
5	26	PAJARITO MESA WELL #5	SEC. CONTAIN OIL STOR. TANK/ IMPLEMENT SPCC DELETE PERMIT 04A166
0	1112	GUAJE BOOSTER #1	DELETE PERMIT 04A177
6	63	S-SITE #2 PUMP STA.	CONTAIN AIR COMPRESSOR DRAIN

REPORT # 66

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
0	0	LA-A-OPN-1	DAYLIGHT	N/A	N/A	LA BOOSTER #2			FLOW IS NIL	No	WATER TANK OVERFLOW
0	0	LA-B-OPN-1	DAYLIGHT	N/A	N/A	LA BOOSTER #2			FLOW IS NIL	No	WATER TANK OVERFLOW
0	0	OPN-1	DAYLIGHT	N/A	N/A	PAJARITO TANK #4			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1054	0-1054-OPN-1	DAYLIGHT	1FD1	N/A	GUAJE WELL #1A			FLOW IS NIL	No	FLOOR WASHINGS
0	1054	0-1054-OPN-2	DAYLIGHT	N/A	N/A	GUAJE WELL #1A			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1054	0-1054-OPN-3	04A172	N/A	N/A	GUAJE WELL #1A			5 MIN/YR	No	WELL WATER FLUSH
0	1054	N/A	N/A	N/A	N/A	GUAJE WELL #1A			NO FLOW	No	OIL STORAGE TANK
0	1054	N/A	N/A	N/A	N/A	GUAJE WELL #1A			FLOW IS NIL	No	AIR COMPRESSOR DRAIN
0	1058	0-1058-OPN-1	DAYLIGHT	N/A	N/A	GUAJE WELL #6			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1058	0-1058-OPN-2	DAYLIGHT	1FD1	N/A	GUAJE WELL #6			NO FLOW	No	NONE - PLUGGED
0	1058	0-1058-OPN-3	04A176	N/A	N/A	GUAJE WELL #6	3500	GPD	7 DAYS PER WEELK	No	WELL WATER FLUSH
0	1058	0-1058-OPN-4	DAYLIGHT	N/A	N/A	GUAJE WELL #6			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1058	0-1058-OPN-5	DAYLIGHT	N/A	N/A	GUAJE WELL #6			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1058	N/A	N/A	N/A	N/A	GUAJE WELL #6			FLOW IS NIL	No	AIR COMPRESSOR DRAIN
0	1058	N/A	N/A	N/A	N/A	GUAJE WELL #6			NO FLOW	No	OIL STORAGE TANK
0	1080	0-1080-OPN-1	DAYLIGHT	N/A	N/A	COMMUNITY PUMP HOUSE			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1080	0-1080-OPN-2	DAYLIGHT	N/A	N/A	COMMUNITY PUMP HOUSE			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1080	0-1080-OPN-3	DAYLIGHT	N/A	N/A	COMMUNITY PUMP HOUSE			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1080	0-1080-OPN-4	DAYLIGHT	N/A	N/A	COMMUNITY PUMP HOUSE			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1090	0-1090-OPN-1	DAYLIGHT	1FD1	N/A	BARRANCA TANK #1			FLOW IS NIL	No	FLOOR WASHINGS
0	1107	0-1107-OPN-1	LA SS	N/A	N/A	GUAJE FILTER BOOST. STA			FLOW IS NIL	No	SUMP PUMP
0	1109	0-1109-OPN-1	ATMOSPHERE	N/A	N/A	NORTH FILL BOOSTER #1			NO FLOW	No	CHLORINE VENT
0	1109	0-1109-OPN-2	DAYLIGHT	N/A	N/A	NORTH FILL BOOSTER #1			FLOW IS NIL	No	FLOOR LEVEL DRAIN
0	1110	0-1110-OPN-1	DAYLIGHT	1FD1	N/A	SOUTH SIDE PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
0	1110	0-1110-OPN-2	ATMOSPHERE	N/A	N/A	SOUTH SIDE PUMP STA.			NO FLOW	No	CHLORINE VENT
0	1110	0-1110-OPN-3	DAYLIGHT	N/A	N/A	SOUTH SIDE PUMP STA.			NO FLOW	No	ABANDONED PIPE
0	1110	0-1110-OPN-4	DAYLIGHT	N/A	N/A	SOUTH SIDE PUMP STA.			NO FLOW	No	ABANDONED PIPE
0	1111	0-1111-OPN-1	DAYLIGHT	1FD1	N/A	S-SITE BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
0	1112	0-1112-OPN-1	DAYLIGHT	1FD1	N/A	GUAJE BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
0	1112	0-1112-OPN-2	04A177	N/A	N/A	GUAJE BOOSTER #1	5000	GPD	1 DAY /MONTH	No	SAND BED
0	1113	0-1113-OPN-1	DAYLIGHT	1FD1	N/A	GUAJE BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
0	1113	0-1113-OPN-2	ATMOSPHERE	N/A	N/A	GUAJE BOOSTER #2			NO FLOW	No	CHLORINE VENT
0	1114	0-1114-OPN-1	DAYLIGHT	1FD1	N/A	GUAJE BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS

REPORT # 66

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
0	1114	0-1114-OPN-1	DAYLIGHT	1FD2	N/A	GUAJE BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
0	1114	0-1114-OPN-1	DAYLIGHT	1FD3	N/A	GUAJE BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
0	1114	0-1114-OPN-1	DAYLIGHT	1FD4	N/A	GUAJE BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
0	1114	0-1114-OPN-2	ATMOSPHERE	N/A	N/A	GUAJE BOOSTER #3			NO FLOW	No	CHLORINE VENT
0	1114	0-1114-OPN-3	DAYLIGHT	N/A	N/A	GUAJE BOOSTER #3			NO FLOW	No	NONE - PLUGGED
0	1114	0-1114-OPN-4	DAYLIGHT	N/A	N/A	GUAJE BOOSTER #3			NO FLOW	No	ABANDONED PIPE
0	1117	0-1117-OPN-1	DAYLIGHT	1FD1	N/A	GUAJE WELL #1			FLOW IS NIL	No	FLOOR WASHINGS
0	1117	0-1117-OPN-2	DAYLIGHT	N/A	N/A	GUAJE WELL #1			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1117	0-1117-OPN-3	04A171	N/A	N/A	GUAJE WELL #1			5 MIN/YR	No	WELL WATER FLUSH
0	1117	N/A	N/A	N/A	N/A	GUAJE WELL #1			NO FLOW	No	OIL STORAGE TANK
0	1118	0-1118-OPN-1	DAYLIGHT	N/A	N/A	GUAJE WELL #2			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1118	0-1118-OPN-2	DAYLIGHT	1FD1	N/A	GUAJE WELL #2			FLOW IS NIL	No	SAND SAMPLER
0	1118	0-1118-OPN-3	04A173	N/A	N/A	GUAJE WELL #2			5 MIN/YR	No	WELL WATER FLUSH
0	1118	N/A	N/A	N/A	N/A	GUAJE WELL #2			NO FLOW	No	OIL STORAGE TANK
0	1120	0-1120-OPN-1	DAYLIGHT	N/A	N/A	GUAJE WELL #4			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1120	0-1120-OPN-2	04A174	N/A	N/A	GUAJE WELL #4			5 MIN/YR	No	WELL WATER FLUSH
0	1120	0-1120-OPN-3	DAYLIGHT	1FD1	N/A	GUAJE WELL #4			FLOW IS NIL	No	FLOOR WASHINGS
0	1120	N/A	N/A	N/A	N/A	GUAJE WELL #4			NO FLOW	No	OIL STORAGE TANK
0	1121	0-1121-OPN-1	DAYLIGHT	N/A	N/A	GUAJE WELL #5			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
0	1121	0-1121-OPN-2	DAYLIGHT	1FD1	N/A	GUAJE WELL #5			FLOW IS NIL	No	SAND SAMPLER
0	1121	0-1121-OPN-3	04A175	N/A	N/A	GUAJE WELL #5			5 MIN/YR	No	WELL WATER FLUSH
0	1122	0-1122-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1285	00-1285-OPN-1	DAYLIGHT	N/A	N/A	GUAJE BOOSTER TANK #1			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1286	00-1286-OPN-1	DAYLIGHT	N/A	N/A	GUAJE BOOSTER TANK #2			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1287	00-1287-OPN-1	DAYLIGHT	N/A	N/A	GUAJE BOOSTER TANK #2			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1288	00-1288-OPN-1	DAYLIGHT	N/A	N/A	GUAJE BOOSTER TANK #3			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1289	00-1289-OPN-1	DAYLIGHT	N/A	N/A	GUAJE BOOSTER TANK #3			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1290	0-1290-OPN-1	DAYLIGHT	N/A	N/A	GROUP 12 TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1291	0-1291-OPN-1	DAYLIGHT	N/A	N/A	GROUP 11 TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
0	1293	0-1293-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	TANK OVERFLOW
0	1294	0-1294-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	TANK OVERFLOW
0	1295	0-1295-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	TANK OVERFLOW
0	1296	0-1296-OPN-1	DAYLIGHT	N/A	N/A	BARRANCA TANK #1			FLOW IS NIL	No	TANK OVERFLOW

REPORT # 66

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
0	1297	0-1297-OPN-1	DAYLIGHT	N/A	N/A	BARRANCA TANK #2			FLOW IS NIL	No	TANK OVERFLOW
0	1301	0-1301-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
5	26	5-26-OPN-1	04A166	N/A	N/A	PAJARITO MESA WELL #5			5 MIN/YR	No	WELL WATER FLUSH
5	26	5-26-OPN-2	DAYLIGHT	1FD1	N/A	PAJARITO MESA WELL #5			FLOW IS NIL	No	FLOOR WASHINGS
5	26	5-26-OPN-3	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #5			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
5	26	5-26-OPN-4	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #5			FLOW IS NIL	No	OIL TANK OVERFLOW
6	63	6-63-OPN-1	DAYLIGHT	1FD1	N/A	S-SITE #2 PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
6	63	6-63-OPN-1	DAYLIGHT	1FD2	N/A	S-SITE #2 PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
6	63	6-63-OPN-1	DAYLIGHT	1FD3	N/A	S-SITE #2 PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
6	63	6-63-OPN-1	DAYLIGHT	1FD4	N/A	S-SITE #2 PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
6	63	N/A	N/A	N/A	N/A	S-SITE #2 PUMP STA.			FLOW IS NIL	No	AIR COMPRESSOR DRAIN
15	48	15-48-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			NO FLOW	No	WATER TANK FILL
15	48	15-48-OPN-2	ATMOSPHERE	N/A	N/A	WATER TANK			NO FLOW	No	WATER TANK VENT
15	147	15-147-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
15	147	15-147-OPN-2	ATMOSPHERE	N/A	N/A	WATER TANK			NO FLOW	No	WATER TANK VENT
16	171	16-171-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
16	247	16-247-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
16	404	16-404-OPN-1	DAYLIGHT	1FD1	N/A	MICROSTRAINER			FLOW IS NIL	No	FLOOR WASHINGS
16	404	16-404-OPN-1	DAYLIGHT	1FD2	N/A	MICROSTRAINER			FLOW IS NIL	No	FLOOR WASHINGS
16	404	16-404-OPN-1	DAYLIGHT	1FD3	N/A	MICROSTRAINER			FLOW IS NIL	No	FLOOR WASHINGS
16	404	16-404-OPN-1	DAYLIGHT	1FD4	N/A	MICROSTRAINER			FLOW IS NIL	No	FLOOR WASHINGS
16	560	16-560-OPN-1	DAYLIGHT	1FD1	N/A	CHLORINE BLDG.			FLOW IS NIL	No	FLOOR WASHINGS
16	560	16-560-OPN-2	ATMOSPHERE	N/A	N/A	CHLORINE BLDG.			NO FLOW	No	CHLORINE VENT
16	560	16-560-OPN-3	DAYLIGHT	N/A	N/A	CHLORINE BLDG.			NO FLOW	No	ABANDONED PIPE
18	33	18-33-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
18	252	18-252-OPN-1	04A164	N/A	N/A	PAJARITO MESA WELL #2			5 MIN/YR	No	WELL WATER FLUSH
18	252	18-252-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #2			FLOW IS NIL	No	PUMP CASING DRAIN
18	252	18-252-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #2			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
18	252	18-252-OPN-3	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #2			FLOW IS NIL	No	SAND SAMPLER
18	252	18-252-OPN-4	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #2			FLOW IS NIL	No	FLOOR LEVEL DRAIN
21	334	21-334-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
21	334	21-334-OPN-2	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
21	334	21-334-OPN-3	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW

REPORT # 66

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
36	116	36-116-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
36	1117	36-117-OPN-1	DAYLIGHT	1FD1	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD2	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD3	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD4	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD5	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD6	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD7	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-1	DAYLIGHT	1FD8	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	FLOOR WASHINGS
36	1117	36-117-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO BOOSTER #1			FLOW IS NIL	No	POTABLE WATER TANK DRAIN
53	55	53-55-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	TANK OVERFLOW
53	1110	53-54-OPN-1	DAYLIGHT	1ED1	N/A	SOUTH SIDE PUMP STA.			FLOW IS NIL	No	PRV
53	1110	53-54-OPN-1	DAYLIGHT	1ED2	N/A	SOUTH SIDE PUMP STA.			FLOW IS NIL	No	PUMP CASING DRAIN
53	1110	53-54-OPN-1	DAYLIGHT	1ED3	N/A	SOUTH SIDE PUMP STA.			FLOW IS NIL	No	BACK FLOW PREVENTER
53	1110	53-54-OPN-1	DAYLIGHT	1FD1	N/A	SOUTH SIDE PUMP STA.			FLOW IS NIL	No	FLOOR WASHINGS
54	71	54-71-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
54	1006	54-1006-OPN-1	DAYLIGHT	N/A	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	WATER TANK OVERFLOW
54	1007	54-1007-OPN-1	DAYLIGHT	1FD1	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD2	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD3	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD4	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD5	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD6	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD7	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-1	DAYLIGHT	1FD8	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	FLOOR WASHINGS
54	1007	54-1007-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO BOOSTER #2			FLOW IS NIL	No	POTABLE WATER TANK DRAIN
54	1008	54-1008-OPN-1	ATMOSPHERE	N/A	N/A	CHLORINE BLDG			NO FLOW	No	CHLORINE VENT
54	1008	54-1008-OPN-2	DAYLIGHT	N/A	N/A	CHLORINE BLDG			NO FLOW	No	ABANDONED PIPE
54	1013	54-1013-OPN-1	04A118	N/A	N/A	PAJARITO MESA WELL #4	3000	GPD	5 DAYS PER WEEK	No	WELL WATER FLUSH
54	1013	54-1013-OPN-2	DAYLIGHT	1FD1	N/A	PAJARITO MESA WELL #4			FLOW IS NIL	No	PUMP CASING DRAIN
54	1013	54-1013-OPN-2	DAYLIGHT	1FD2	N/A	PAJARITO MESA WELL #4			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
54	1013	54-1013-OPN-2	DAYLIGHT	1FD2	N/A	PAJARITO MESA WELL #4			FLOW IS NIL	No	SAND SAMPLER
59	14	59-14-OPN-1	DAYLIGHT	N/A	N/A	URL-8 TANK			FLOW IS NIL	No	WATER TANK OVERFLOW

REPORT # 66

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
64	3	64-3-OPN-1	DAYLIGHT	N/A	N/A	WATER TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
64	4	64-4-OPN-1	DAYLIGHT	N/A	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	WATER TANK OVERFLOW
64	5	64-5-OPN-1	DAYLIGHT	1FD1	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD2	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD3	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD4	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD5	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD6	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD7	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-1	DAYLIGHT	1FD8	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
64	5	64-5-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO BOOSTER #3			FLOW IS NIL	No	POTABLE WATER TANK DRAIN
69	6	69-6-OPN-1	DAYLIGHT	N/A	N/A	TWO MILE TANK			FLOW IS NIL	No	WATER TANK OVERFLOW
69	7	69-7-OPN-1	DAYLIGHT	N/A	N/A	S-SITE TANK #2			FLOW IS NIL	No	WATER TANK OVERFLOW
72	1	72-1-OPN-1	DAYLIGHT	1FD1	N/A	LA BOOSTER #3			FLOW IS NIL	No	FLOOR WASHINGS
72	4	72-4-OPN-1	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #1			FLOW IS NIL	No	PUMP CASING DRAIN
72	4	72-4-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #1			FLOW IS NIL	No	FLOOR LEVEL DRAIN
72	4	N/A	N/A	N/A	N/A	PAJARITO MESA WELL #1			NO FLOW	No	OIL STORAGE TANK
72	5	72-5-OPN-1	04A163	N/A	N/A	PAJARITO MESA WELL #1	5600	GPD	7 DAYS PER WEEK	No	WELL WATER FLUSH
72	7	72-7-OPN-1	04A165	N/A	N/A	PAJARITO MESA WELL #3	5600	GPD	7 DAYS PER WEEK	No	WELL WATER FLUSH
72	7	72-7-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #3			FLOW IS NIL	No	VACUUM BREAKER DISCHARGE
72	7	72-7-OPN-2	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #3			FLOW IS NIL	No	PUMP CASING DRAIN
72	7	72-7-OPN-3	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #3			FLOW IS NIL	No	FLOOR LEVEL DRAIN
72	7	72-7-OPN-4	DAYLIGHT	N/A	N/A	PAJARITO MESA WELL #3			FLOW IS NIL	No	BACK FLOW PREVENTER
73	117	73-9-OPN-1	ATMOSPHERE	N/A	N/A	LA BOOSTER #4			NO FLOW	No	CHLORINE VENT
73	117	73-9-OPN-2	DAYLIGHT	1FD1	N/A	LA BOOSTER #4			FLOW IS NIL	No	FLOOR WASHINGS

Please type or print in the unshaded areas only

EPA ID Number (copy from Item 1 of Form 1)
NM0890010515

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

Form 2D
NPDES

EPA New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	
72-7-OPN-3	35	51	47	106	14	31	Tributary to Sandia Canyon, and ephemeral tributary to the Rio Grande

II. Discharge Date (When do you expect to begin discharging?)

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 2D-1)
72-7-OPN-3	Floor level drain	1 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
72-7-OPN-3	7	12	0.000001	1 GPD	365 day/yr

IV. Production

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

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

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	Outfall Number 72-7-OPN-3

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from well pump house and is consistent with potable water.

VIII. Certification

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

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

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO. 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	2. EFFLUENT d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS (specify if blank) b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE (optional) b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 7.6						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 37.9						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	2.2						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	68.1						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 0.379						mg/l	g/d			
f. Flow	VALUE 1		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 1.9						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	0.8						mg/l	g/d			
f. Nitrate-Nitrite *(as N)*	X		0.304	1.2						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 1.9						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 4.0						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.2						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	0.4						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	25.0						pCi/l	pCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.2						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	12.0						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 0.2						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 0.4						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.2						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.1						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.1						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.4						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	1.6						mg/l	mg/d			
t. Magnesium, Total (7439-96-4)	X		2.5	9.5						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.1						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.0						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.2						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.0						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.2						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.00						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.00						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.0						mg/l	mg/d			
6M. Chromium, Total (7440-47-3)		X		0.040	0.2						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.1						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.2						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.000						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.2						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.00						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.0						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 1.5						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	0.2						mg/l	mg/d			
14M. Cyanide, Total (57-12-5)			X	0.01	0.0						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.0						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.0						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.0						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.0						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.0						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.0						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.0000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.0						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.0						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.0						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.0						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.0						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.0						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.0						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.0						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.0						mg/l	mg/d			

CONTINUE ON PAGE V-5

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION — VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.0						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.0						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.0						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.0						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.0						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.0						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.0						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.0						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.0						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.0						mg/l	mg/d			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.0						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.0						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.0						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.0						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.0						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.0						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.0						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.0						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.0						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.0						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.0						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.0						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.0						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.0						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.0						mg/l	mg/d			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.0						mg/l	mg/d			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.0						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.0						mg/l	mg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.0						mg/l	mg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.0						mg/l	mg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.0						mg/l	mg/d			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.0						mg/l	mg/d			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.0						mg/l	mg/d			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.0						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.0						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.0						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.0						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.0						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.0						mg/l	mg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.0						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.0						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.0						mg/l	mg/d			

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.0						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.0						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.0						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.0						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.0						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.0						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.0						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.0						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.0						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.0						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.0						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.0						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.0						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.0						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.0						mg/l	mg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.0						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.0						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.0						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.0						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.0						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.0						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.0						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.0						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.0						mg/l	mg/d			
46B. 1,2,4 - Trichlorobenzene (120-82-1)			X	< 0.010	< 0.0						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.2						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.1						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 0.4						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.1						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 0.5						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 0.9						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.2						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 0.3						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 0.3						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.3						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.2						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.3						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 0.3						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.2						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 2.3						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 1.1						ug/l	ug/d			

CONTINUE ON PAGE V-9

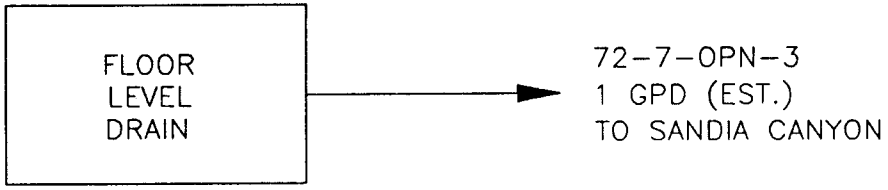
CONTINUED FROM PAGE V-8

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION — PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.2						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 2.6						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 2.6						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11096-82-5)			X	< 0.68	< 2.6						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 9.5						ug/l	ug/d			

TA-72-7



Please type or print in the unshaded areas only

EPA ID Number *(copy from Item 1 of Form 1)*
NM0890010515

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

Form 2D NPDES

EPA New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
54-1013-OPN-2	35	50	59	106	15	55	Tributary to Canada Del Buey, and ephemeral tributary to the Rio Grande

II. Discharge Date *(When do you expect to begin discharging?)*

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow *(list)*	2. Average Flow *(include units)*	3. Treatment *(Description or List Codes from Table 2D-1)*
54-1013-OPN-2	Floor drains (2)	2 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
54-1013-OPN-2	7	12	0.000001	1 GPD	365 day/yr

IV. Production

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

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

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
	NM0890010515	54-1013-OPN-2

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number (copy from Item 1 of Form 1) NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from well pump house and is consistent with potable water.

VIII. Certification

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

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

* U.S. Government Printing Office : 1986 -491-191/52940

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO. 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	2. EFFLUENT d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS (specify if blank) b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE (optional) b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 15.1						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 75.7						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	4.5						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	0.1						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 0.757						mg/l	g/d			
f. Flow	VALUE 2		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 3.8						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	1.6						mg/l	g/d			
f. Nitrate–Nitrite *(as N)*	X		0.304	2.3						mg/l	g/d			

CONTINUE ON REVERSE

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 3.8						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 7.9						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.4						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	0.8						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	50.0						pCi/l	pCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.5						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	23.9						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 0.4						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 0.8						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.3						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.2						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.2						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.8						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	3.1						mg/l	mg/d			
t. Magnesium, Total (7439-95-4)	X		2.5	18.9						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.2						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.1						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.4						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.0						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.4						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.0						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.00						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.1						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	0.3						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.2						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.4						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.5						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.00						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.1						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 3.0						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	0.3						mg/l	mg/d			
14M. Cyanide, Total (57-12-6)			X	0.01	0.1						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.1						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.0						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.0						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.0						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.0						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.0						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.0000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.0						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.0						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.0						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.0						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.0						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.0						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.0						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.1						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.1						mg/l	mg/d			

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.0						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.0						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.0						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.0						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.0						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.0						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.0						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.0						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.0						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.1						mg/l	mg/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.1						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.1						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.1						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.1						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.1						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.1						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.1						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.1						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.1						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.1						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.1						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	2. MARK 'X' b. BELIEVED PRESENT	2. MARK 'X' c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.1						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.1						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.1						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.1						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 0.1						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 0.1						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.1						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 0.1						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 0.1						mg/l	mg/d			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	< 0.010	< 0.1						mg/l	mg/d			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	< 0.010	< 0.1						mg/l	mg/d			
12B. Bis (2-Chloroiso-propyl) Ether (102-60-1)			X	< 0.010	< 0.1						mg/l	mg/d			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	< 0.010	< 0.1						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.1						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.1						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.1						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.1						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.1						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 0.1						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.1						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.1						mg/l	mg/d			

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	2. MARK 'X' b. BELIEVED PRESENT	2. MARK 'X' c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.1						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.1						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.1						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.1						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.1						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.1						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.1						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.1						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.1						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.1						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.1						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.1						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.1						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.1						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.1						mg/l	mg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.1						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.1						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.1						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.1						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.1						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.1						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.1						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.1						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.1						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.1						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.5						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.2						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 0.8						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.2						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 0.9						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 1.9						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.5						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 0.6						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 0.6						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.6						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.4						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.6						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 0.7						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.5						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 4.7						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 2.3						ug/l	ug/d			

CONTINUE ON PAGE V-9

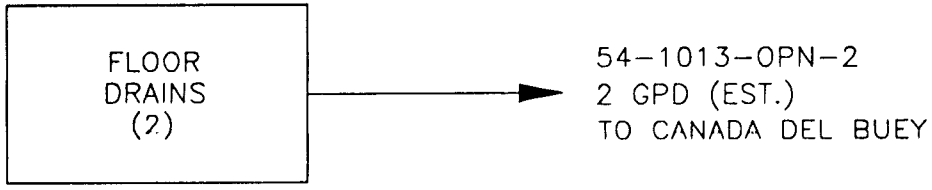
CONTINUED FROM PAGE V-8

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES *(continued)*															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.3						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 5.1						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 5.1						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11096-82-5)			X	< 0.68	< 5.1						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 18.9						ug/l	ug/d			

☆U.S. GOVERNMENT PRINTING OFFICE : 1986 O - 491-191 (46116)

TA-54-1013



Please type or print in the unshaded areas only

EPA ID Number (copy from Item 1 of Form 1)
NM0890010515

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

Form 2D
NPDES

EPA New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	
16-404-OPN-1	35	50	26	106	22	2	Tributary to Water Canyon, and ephemeral tributary to the Rio Grande

II. Discharge Date (When do you expect to begin discharging?)

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 2D-1)
16-404-OPN-1	Floor drains (4)	4 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
16-404-OPN-1	7	12	0.000004	4 GPD	365 day/yr

IV. Production

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

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

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	Outfall Number 16-404-OPN-1

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from strainer pump house and is consistent with potable water.

VIII. Certification

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

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

*U.S. Government Printing Office : 1986 -491-191/52940

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO: 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	2. EFFLUENT d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS (specify if blank) b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE (optional) b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 30.3						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 0.2						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	8.9						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	0.3						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 1.514						mg/l	g/d			
f. Flow	VALUE 4		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 7.6						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	3.2						mg/l	g/d			
f. Nitrate–Nitrite *(as N)*	X		0.304	4.6						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 7.6						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 15.9						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.8						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	1.5						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	99.9						pCi/l	pCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.9						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	47.8						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 0.8						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 1.5						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.6						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.5						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.3						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 1.5						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	6.2						mg/l	mg/d			
t. Magnesium, Total (7439-95-4)	X		2.5	37.9						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.3						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.2						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.8						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.1						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.8						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.0						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.2						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	0.6						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.5						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.8						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.9						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.0						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.2						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 6.1						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	0.7						mg/l	mg/d			
14M. Cyanide, Total (57-12-6)			X	0.01	0.2						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.2						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.1						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.1						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.1						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.1						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.1						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.1						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.1						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.1						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.1						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.1						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.1						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.1						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.2						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUE ON PAGE V-5

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION — VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.1						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.1						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.1						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.1						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.1						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.1						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.1						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.1						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.1						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.2						mg/l	mg/d			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.2						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.2						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.2						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.2						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.2						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.2						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.2						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.2						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.2						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.2						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	2. MARK 'X' b. BELIEVED PRESENT	2. MARK 'X' c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.2						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.2						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.2						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.2						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 0.2						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 0.2						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.2						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 0.2						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 0.2						mg/l	mg/d			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	< 0.010	< 0.2						mg/l	mg/d			
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	< 0.010	< 0.2						mg/l	mg/d			
12B. Bis (2-Chloroiso-propyl) Ether (102-60-1)			X	< 0.010	< 0.2						mg/l	mg/d			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	< 0.010	< 0.2						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.2						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.2						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.2						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.2						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.2						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 0.2						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.2						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.2						mg/l	mg/d			

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.2						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.2						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.2						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.2						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.2						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.2						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.2						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.2						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 0.2						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.2						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.2						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.2						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.2						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.2						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.2						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 0.2						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.2						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.2						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.2						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.2						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUED FROM THE FRONT

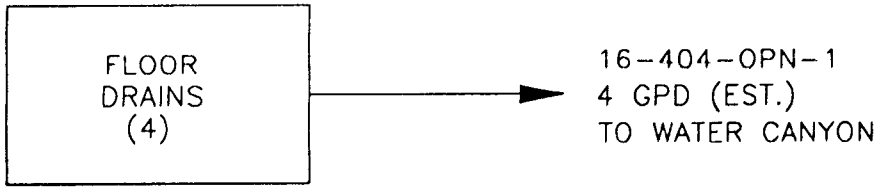
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.2						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.2						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.2						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.2						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.9						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.3						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 1.5						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.5						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 1.8						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 3.8						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.9						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 1.2						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 1.2						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 1.2						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.8						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 1.2						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 1.4						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.9						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 9.4						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 4.5						ug/l	ug/d			

CONTINUE ON PAGE V-9

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 (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.6						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 10.3						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 10.3						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11096-82-5)			X	< 0.68	< 10.3						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 37.9						ug/l	ug/d			

TA-16-404



Please type or print in the unshaded areas only

EPA ID Number *(copy from Item 1 of Form 1)*
NM0890010515

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

Form 2D NPDES

New Sources and New Dischargers
EPA Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
0-1114-OPN-1	35	53	57	106	17	22	Tributary to Rendija Canyon, and ephemeral tributary to the Rio Grande

II. Discharge Date *(When do you expect to begin discharging?)*

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow *(list)*	2. Average Flow *(include units)*	3. Treatment *(Description or List Codes from Table 2D-1)*
0-1114-OPN-1	Floor drains (4)	4 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
0-1114-OPN-1	7	12	0.000004	4 GPD	365 day/yr

IV. Production

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

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

CONTINUED FROM THE FRONT	EPA ID Number (copy from Item 1 of Form 1)	Outfall Number
	NM0890010515	0-1114-OPN-1

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from booster pump house and is consistent with potable water.

VIII. Certification

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

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

* U.S. Government Printing Office : 1986 - 491-191/52940

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO.: 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	2. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	2. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	2. EFFLUENT d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS (specify if blank) b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE (optional) b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 30.3						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 0.2						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	8.9						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	0.3						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 1.514						mg/l	g/d			
f. Flow	VALUE 4		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 7.6						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	3.2						mg/l	g/d			
f. Nitrate–Nitrite *(as N)*	X		0.304	4.6						mg/l	g/d			

CONTINUE ON REVERSE

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 7.6						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 15.9						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	0.8						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	1.5						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	99.9						pCi/l	pCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.9						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	47.8						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 0.8						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 1.5						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.6						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.5						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.3						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 1.5						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	6.2						mg/l	mg/d			
t. Magnesium, Total (7439-95-4)	X		2.5	37.9						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.3						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.2						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.8						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.1						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER *(if available)*	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE *(optional)*		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	c. LONG TERM AVRG. VALUE *(if available)* (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.8						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.0						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.2						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	0.6						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.5						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.8						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.9						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.0						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.2						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 6.1						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	0.7						mg/l	mg/d			
14M. Cyanide, Total (57-12-5)			X	0.01	0.2						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.2						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

C...UED ...M THI ...NT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.1						mg/l	mg/d			
4V. Bis (*Chloromethyl*) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.1						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.1						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.1						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.1						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.1						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.1						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.1						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.1						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.1						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.1						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.1						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.2						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.2						mg/l	mg/d			

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.1						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.1						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.1						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.1						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.1						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.1						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.1						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.1						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.1						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.2						mg/l	mg/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.2						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.2						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.2						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.2						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.2						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.2						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.2						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.2						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.2						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.2						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	2. MARK 'X' b. BELIEVED PRESENT	2. MARK 'X' c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.2						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.2						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.2						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.2						mg/l	mg/d			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.2						mg/l	mg/d			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.2						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.2						mg/l	mg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.2						mg/l	mg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.2						mg/l	mg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.2						mg/l	mg/d			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.2						mg/l	mg/d			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.2						mg/l	mg/d			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.2						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.2						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.2						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.2						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.2						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.2						mg/l	mg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.2						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.2						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.2						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.2						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.2						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.2						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.2						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.2						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.2						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.2						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.2						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.2						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.2						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.2						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.2						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.2						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.2						mg/l	mg/d			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.2						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.2						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.2						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.2						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.2						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.2						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.2						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.2						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.2						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.2						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.9						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.3						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 1.5						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.5						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 1.8						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 3.8						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.9						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 1.2						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 1.2						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 1.2						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.8						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 1.2						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 1.4						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.9						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 9.4						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 4.5						ug/l	ug/d			

CONTINUE ON PAGE V-9

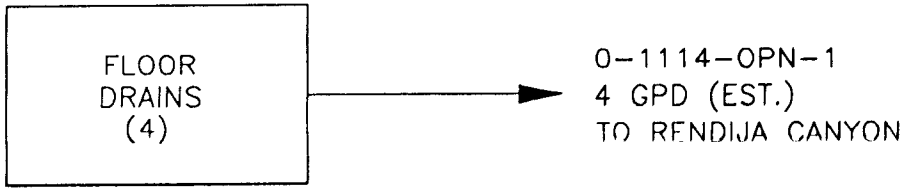
CONTINUED FROM PAGE V-8

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM 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 – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 0.6						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 10.3						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 10.3						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11096-82-5)			X	< 0.68	< 10.3						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 37.9						ug/l	ug/d			

TA-0-1114



Please type or print in the unshaded areas only

EPA ID Number (copy from Item 1 of Form 1)
NM0890010515

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

Form 2D NPDES

EPA New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	
36-117-OPN-1	35	49	30	106	14	12	Tributary to Pajarito Canyon, and ephemeral tributary to the Rio Grande

II. Discharge Date (When do you expect to begin discharging?)

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 2D-1)
36-117-OPN-1	Floor drains (8)	8 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
36-117-OPN-1	7	12	0.000008	8 GPD	365 day/yr

IV. Production

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

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

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
	NM0890010515	36-117-OPN-1

V. Effluent Characteristics

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from booster pump house and is consistent with potable water.

VIII. Certification

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

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

*U.S. Government Printing Office : 1986 -491-191/52946

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO: 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	2. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	2. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	2. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	2. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	2. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (2) MASS	2. EFFLUENT d. NO. OF ANALYSES	3. UNITS *(specify if blank)* a. CONCENTRATION	3. UNITS *(specify if blank)* b. MASS	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE *(optional)* b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 60.6						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 0.3						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	17.9						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	0.5						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 3.028						mg/l	g/d			
f. Flow	VALUE 8		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE *(if available)* (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE *(if available)* (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE *(optional)* a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE *(optional)* b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 15.1						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	6.4						mg/l	g/d			
f. Nitrate-Nitrite *(as N)*	X		0.304	9.2						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 15.1						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 31.8						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	1.5						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	3.0						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	0.2						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	1.8						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	95.7						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 1.5						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 3.0						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 1.2						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.9						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.6						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 3.0						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	12.4						mg/l	mg/d			
t. Magnesium, Total (7439-96-4)	X		2.5	75.7						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.6						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.3						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 1.5						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.1						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 1.5						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.1						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.3						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	1.2						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.9						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 1.5						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	1.8						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.0						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.3						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 12.1						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	1.3						mg/l	mg/d			
14M. Cyanide, Total (57-12-5)			X	0.01	0.3						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.3						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	2. MARK 'X' b. BELIEVED PRESENT	2. MARK 'X' c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.2						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.2						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.2						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.2						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.2						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.2						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.2						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.2						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.2						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.2						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.2						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.2						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.3						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.3						mg/l	mg/d			

CONTINUE ON PAGE V-5

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

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.2						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.2						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.2						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.2						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.2						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.2						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.2						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.2						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.2						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.3						mg/l	mg/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.3						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.3						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.3						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.3						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.3						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.3						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.3						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.3						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.3						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.3						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.3						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.3						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.3						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.3						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.3						mg/l	mg/d			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.3						mg/l	mg/d			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.3						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.3						mg/l	mg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.3						mg/l	mg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.3						mg/l	mg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.3						mg/l	mg/d			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.3						mg/l	mg/d			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.3						mg/l	mg/d			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.3						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.3						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.3						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.3						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.3						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.3						mg/l	mg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.3						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.3						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.3						mg/l	mg/d			

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

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

CONTINUED FROM PAGE V-6

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.3						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.3						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.3						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.3						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.3						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.3						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.3						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.3						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 0.3						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.3						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.3						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.3						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.3						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.3						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.3						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 0.3						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.3						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.3						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.3						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.3						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.3						mg/l	mg/d			

CONTINUED FROM THE FRONT

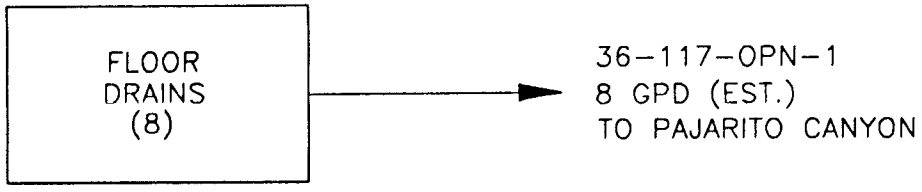
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.3						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.3						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.3						mg/l	mg/d			
46B. 1,2,4 - Trichlorobenzene (120-82-1)			X	< 0.010	< 0.3						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 1.8						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.6						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 3.0						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.9						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 3.6						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 7.6						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 1.8						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 2.4						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 2.4						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 2.4						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 1.5						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 2.4						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 2.7						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 1.8						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 18.8						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 9.1						ug/l	ug/d			

CONTINUE ON PAGE V-9

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.04	< 1.2						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 20.6						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 20.6						ug/l	ug/d			
20P. PCB-1221 (11104-28-2)			X	N.D.											
21P. PCB-1232 (11141-16-5)			X	N.D.											
22P. PCB-1248 (12672-29-6)			X	N.D.											
23P. PCB-1260 (11096-82-5)			X	< 0.68	< 20.6						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 75.7						ug/l	ug/d			

TA-36-117



Please type or print in the unshaded areas only

EPA ID Number (copy from Item 1 of Form 1)
NM0890010515

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

Form 2D NPDES

EPA New Sources and New Dischargers Application for Permit to Discharge Process Wastewater

I. Outfall Location

For each outfall, list the latitude and longitude, and the name of the receiving water.

Outfall Number (list)	Latitude			Longitude			Receiving Water (name)
	Deg	Min	Sec	Deg	Min	Sec	
54-1007-OPN-1	35	50	44	106	15	48	Tributary to Pajarito Canyon, and ephemeral tributary to the Rio Grande

II. Discharge Date (When do you expect to begin discharging?)

Active discharge noted during waste stream characterization.

III. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Outfall Number	1. Operations Contributing Flow (list)	2. Average Flow (include units)	3. Treatment (Description or List Codes from Table 2D-1)
54-1007-OPN-1	Floor drains (8)	8 GPD	None

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

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

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

Outfall Number	1. Frequency		2. Flow		
	a. Days Per Week *(specify average)*	b. Months Per Year *(specify average)*	a. Maximum Daily Flow Rate *(in mgd)*	b. Maximum Total Volume *(specify with units)*	c. Duration *(in days)*
54-1007-OPN-1	7	12	0.000008	8 GPD	365 day/yr

IV. Production

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

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

CONTINUE ON NEXT PAGE

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)*	Outfall Number
V. Effluent Characteristics	NM0890010515	54-1007-OPN-1

A, and B: These items require you to report estimated amounts *(both concentration and mass)* of the pollutants to be discharged from each of your outfalls. Each part of this item addresses a different set of pollutants and should be completed in accordance with the specific instructions for that part. Data for each outfall should be on a separate page. Attach additional sheets of paper if necessary.

General Instructions *(See table 2D-2 for Pollutants)*

Each part of this item requests you to provide an estimated daily maximum and average for certain pollutants and the source of information. Data for all pollutants in Group A, for all outfalls, must be submitted unless waived by the permitting authority. For all outfalls, data for pollutants in Group B should be reported only for pollutants which you believe will be present or are limited directly by an effluent limitations guideline or NSPS or indirectly through limitations on an indicator pollutant.

1. Pollutant	2. Maximum Daily Value *(include units)*	3. Average Daily Value *(include units)*	4. Source *(see instructions)*
See attached 04A datasheets			Best professional estimates

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	

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

1. Pollutant	2. Reason for Discharge
N/A	

VI. Engineering Report on Wastewater Treatment

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

☒ Report Available ☐ No Report Waste Stream Characterization Report #66

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

Name	Location
N/A	

EPA ID Number *(copy from item one of Form 1)*
NM0890010515

VII. Other Information *(Optional)*

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

See attached 04A datasheets and line drawing. Discharge is from booster pump house and is consistent with potable water.

VIII. Certification

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

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

*U.S. Government Printing Office : 1986 -491-191/52940

Data from worst case composite.

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

EPA I.D. NUMBER *(copy from Item 1 of Form 1)*: NM0890010515

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

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

OUTFALL NO. 04A

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

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	3. UNITS b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE b. NO. OF ANALYSES
a. Biochemical Oxygen Demand *(BOD)*	< 2.0	< 60.6						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 0.3						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	17.9						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	0.5						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 3.028						mg/l	g/d			
f. Flow	VALUE 8		VALUE		VALUE			gal/day		VALUE		
g. Temperature *(winter)*	VALUE 13.9		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 8.45	MAXIMUM 8.80	MINIMUM	MAXIMUM				STANDARD UNITS				

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' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 15.1						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05	0.0						mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	6.4						mg/l	g/d			
f. Nitrate-Nitrite *(as N)*	X		0.304	9.2						mg/l	g/d			

CONTINUE ON REVERSE

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X' a. BELIEVED PRESENT	2. MARK 'X' b. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	3. EFFLUENT a. MAXIMUM DAILY VALUE (2) MASS	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	3. EFFLUENT b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	3. EFFLUENT c. LONG TERM AVRG. VALUE (if available) (2) MASS	3. EFFLUENT d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	4. UNITS b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 15.1						mg/l	mg/d			
h. Oil and Grease		X	< 1.05	< 31.8						mg/l	mg/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	1.5						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	3.0						pCi/l	pCi/d			
(2) Beta, Total	X		6.6	0.2						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	1.8						pCi/l	pCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	95.7						mg/l	mg/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 1.5						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 3.0						mg/l	mg/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 1.2						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	0.9						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	0.6						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 3.0						mg/l	mg/d			
s. Iron, Total (7439-89-6)	X		0.41	12.4						mg/l	mg/d			
t. Magnesium, Total (7439-96-4)	X		2.5	75.7						mg/l	mg/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 0.6						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	0.3						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 1.5						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.1						mg/l	mg/d			

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

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

CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	a. LONG TERM AVERAGE VALUE (2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 1.5						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	0.1						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 0.0						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.3						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	1.2						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	0.9						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 1.5						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.00						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	1.8						mg/l	mg/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 0.0						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.3						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 12.1						mg/l	mg/d			
13M. Zinc, Total (7440-66-6)		X		0.043	1.3						mg/l	mg/d			
14M. Cyanide, Total (57-12-5)			X	0.01	0.3						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 0.3						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TEST-ING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 0.2						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.2						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.2						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.2						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.2						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.000						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.2						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.2						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.2						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.2						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.2						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.2						mg/l	kg/d			
18V. 1,3-Dichloropropylene (542-75-6)			X	<	< 0.0						mg/l	mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.2						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.3						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.3						mg/l	mg/d			

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

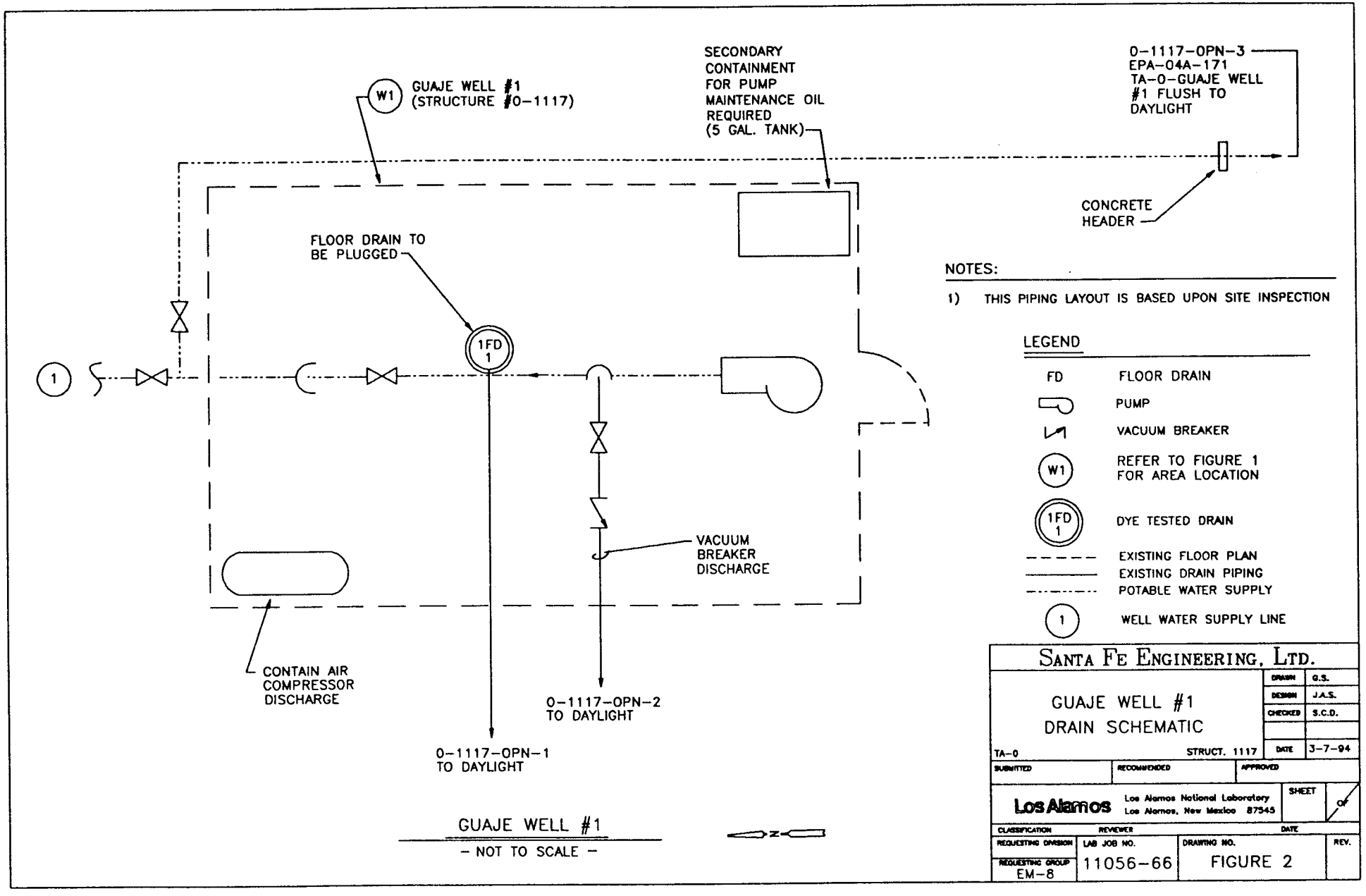
OMB No. 2040-0086
Approval expires 7-31-88

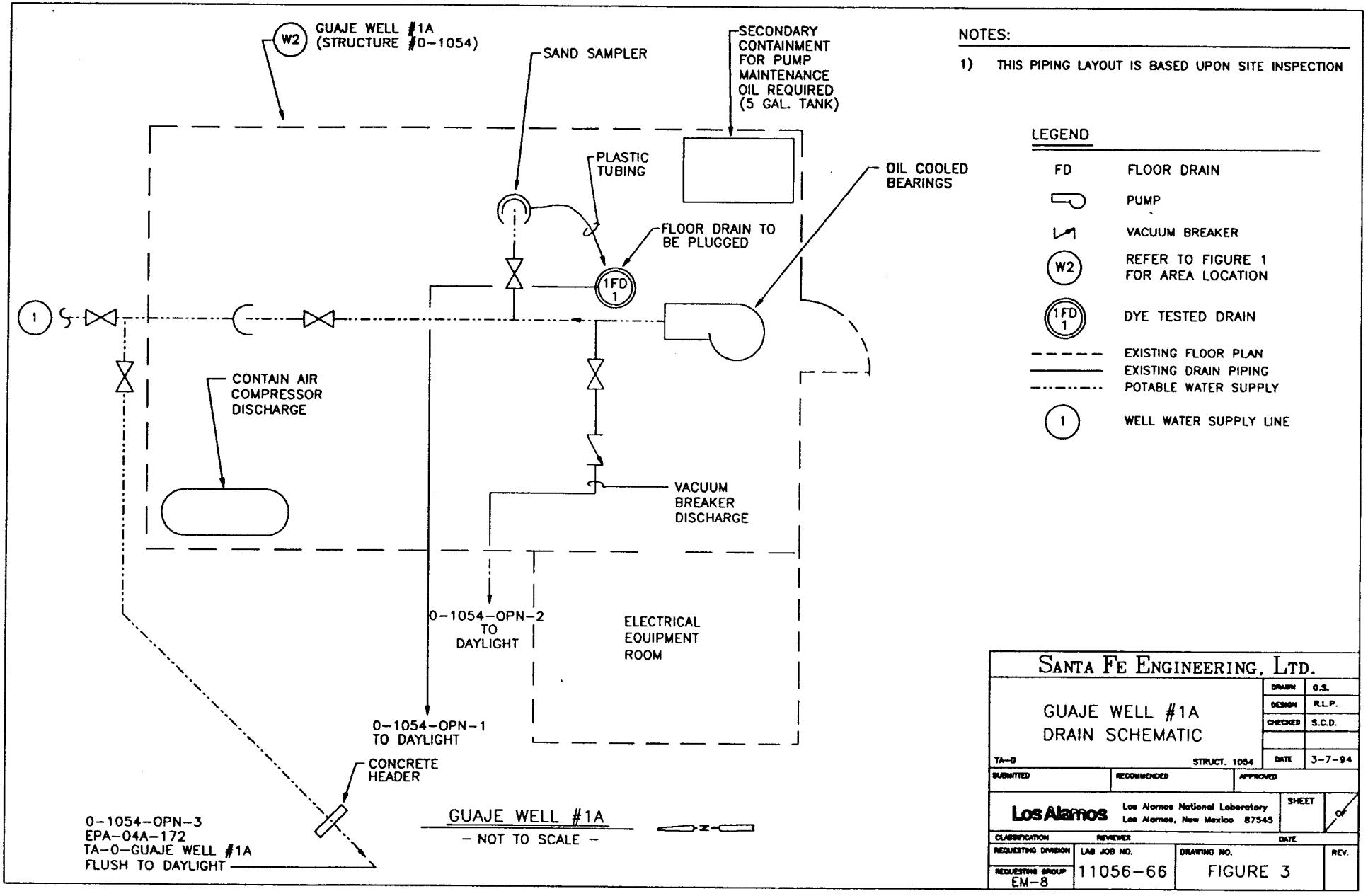
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X' a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS *(continued)*															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.2						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.2						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.2						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.2						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.2						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.2						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.2						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.2						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.2						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.3						mg/l	mg/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.3						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.3						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.3						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.3						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.3						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.3						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.3						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.3						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.3						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.3						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.3						mg/l	mg/d			

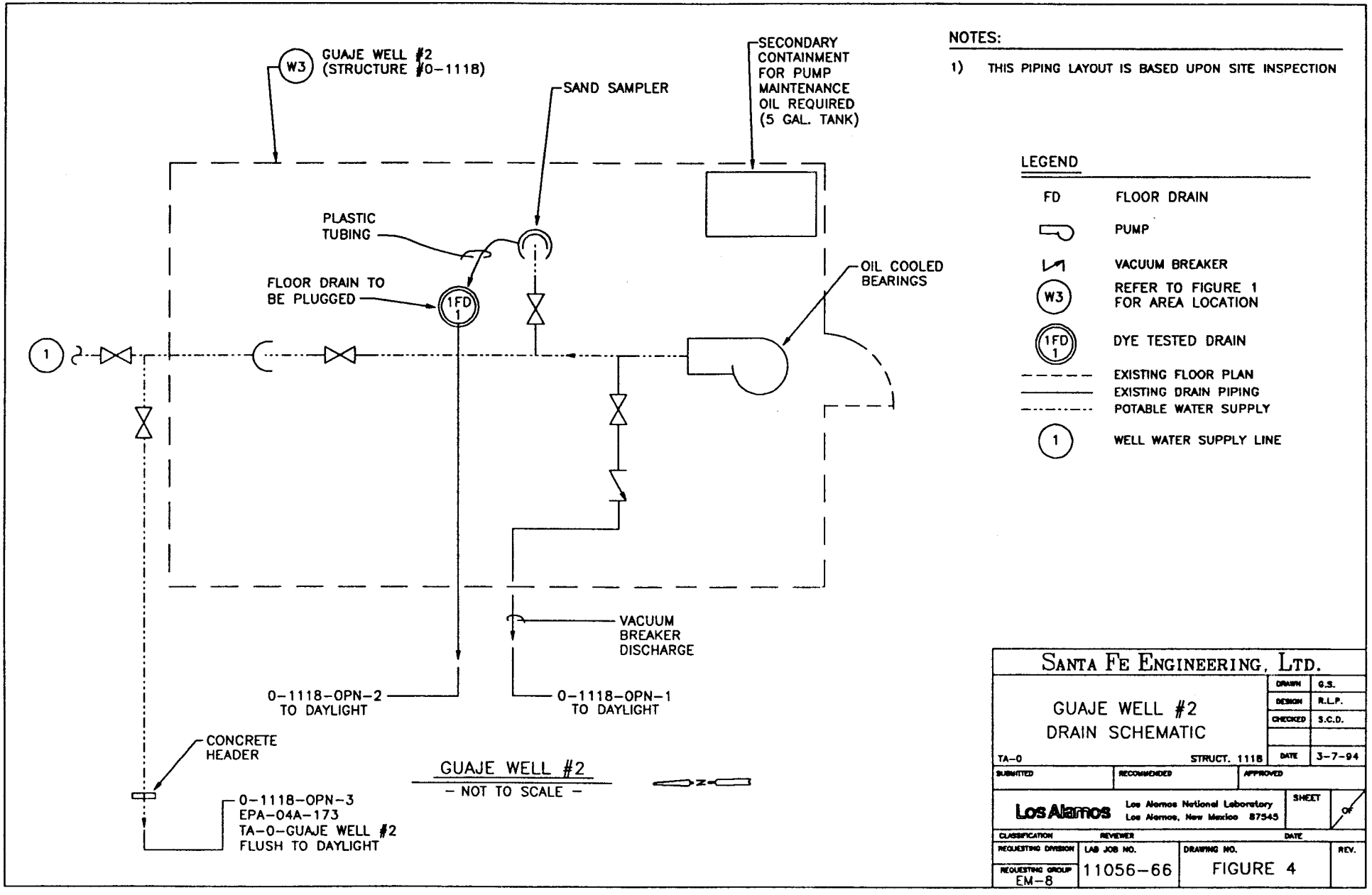
CONTINUE ON REVERSE

DYE STUDY INFORMATION

BUILDING NUMBER	DRAIN NUMBER	DID DYE REACH EXPECTED DESTINATION	COMMENTS
0-1117	1FD1	YES	0-1117-OPN-1 (DAYLIGHT)
0-1054	1FD1	YES	0-1054-OPN-1 (DAYLIGHT)
0-1118	1FD1	YES	0-1118-OPN-2 (DAYLIGHT)
0-1120	1FD1	YES	0-1120-OPN-3 (DAYLIGHT)
0-1121	1FD1	YES	0-1121-OPN-2 (DAYLIGHT)
54-1013	1FD2	YES	54-1013-OPN-2 (DAYLIGHT)
5-26	1FD1	YES	5-26-OPN-2 (DAYLIGHT)
0-1112	1FD1	YES	0-1112-OPN-1 (DAYLIGHT)
0-1113	1FD1	NO	0-1113-OPN-1 (UNKNOWN DESTINATION)
0-1114	1FD1	YES	0-1114-OPN-1 (DAYLIGHT)
0-1114	1FD2	YES	0-1114-OPN-1 (DAYLIGHT)
0-1114	1FD3	YES	0-1114-OPN-1 (DAYLIGHT)
0-1114	1FD4	YES	0-1114-OPN-1 (DAYLIGHT)
72-1	1FD1	YES	72-1-OPN-1 (DAYLIGHT)
73-9	1FD1	YES	73-9-OPN-2 (DAYLIGHT)
0-1111	1FD1	YES	0-1111-OPN-1 (DAYLIGHT)
53-54	1ED1	YES	53-54-OPN-1 (DAYLIGHT)
36-117	1FD3	YES	36-117-OPN-1 (DAYLIGHT)
36-117	1FD7	YES	36-117-OPN-1 (DAYLIGHT)
54-1007	1FD1	YES	54-1007-OPN-1 (DAYLIGHT)
54-1007	1FD7	YES	54-1007-OPN-1 (DAYLIGHT)
64-5	1FD1	YES	64-5-OPN-1 (DAYLIGHT)


W1
GUAJE WELL #1
(STRUCTURE #0-1117)
SECONDARY
CONTAINMENT
FOR PUMP
MAINTENANCE OIL
REQUIRED
(5 GAL. TANK)
0-1117-OPN-3
EPA-04A-171
TA-0-GUAJE WELL
#1 FLUSH TO
DAYLIGHT
CONCRETE
HEADER
FLOOR DRAIN TO
BE PLUGGED
1FD
1
1
VACUUM
BREAKER
DISCHARGE
CONTAIN AIR
COMPRESSOR
DISCHARGE
0-1117-OPN-2
TO DAYLIGHT
0-1117-OPN-1
TO DAYLIGHT
GUAJE WELL #1
- NOT TO SCALE -
NOTES:
1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION
LEGEND
FD FLOOR DRAIN
PUMP
VACUUM BREAKER
W1 REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1 DYE TESTED DRAIN
EXISTING FLOOR PLAN
EXISTING DRAIN PIPING
POTABLE WATER SUPPLY
1 WELL WATER SUPPLY LINE
SANTA FE ENGINEERING, LTD.
GUAJE WELL #1
DRAIN SCHEMATIC
DRAWN G.S.
DESIGN J.A.S.
CHECKED S.C.D.
DATE 3-7-94
TA-0
STRUCT. 1117
SUBMITTED
RECOMMENDED
APPROVED
Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545
SHEET
OF
CLASSIFICATION
REVIEWER
DATE
REQUESTING DIVISION
LAB JOB NO.
11056-66
DRAWING NO.
FIGURE 2
REV.
REQUESTING GROUP
EM-8


W2
GUAJE WELL #1A
(STRUCTURE #0-1054)
SAND SAMPLER
SECONDARY
CONTAINMENT
FOR PUMP
MAINTENANCE
OIL REQUIRED
(5 GAL. TANK)
PLASTIC
TUBING
OIL COOLED
BEARINGS
FLOOR DRAIN TO
BE PLUGGED
1FD
1
1
CONTAIN AIR
COMPRESSOR
DISCHARGE
VACUUM
BREAKER
DISCHARGE
0-1054-OPN-2
TO
DAYLIGHT
ELECTRICAL
EQUIPMENT
ROOM
0-1054-OPN-1
TO DAYLIGHT
CONCRETE
HEADER
0-1054-OPN-3
EPA-04A-172
TA-0-GUAJE WELL #1A
FLUSH TO DAYLIGHT
GUAJE WELL #1A
- NOT TO SCALE -
NOTES:
1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION
LEGEND
FD FLOOR DRAIN
PUMP
VACUUM BREAKER
W2 REFER TO FIGURE 1
FOR AREA LOCATION
1FD
1
DYE TESTED DRAIN
EXISTING FLOOR PLAN
EXISTING DRAIN PIPING
POTABLE WATER SUPPLY
1 WELL WATER SUPPLY LINE
SANTA FE ENGINEERING, LTD.
GUAJE WELL #1A
DRAIN SCHEMATIC
DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
TA-0
STRUCT. 1054
DATE 3-7-94
SUBMITTED
RECOMMENDED
APPROVED
Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545
SHEET
OF
CLASSIFICATION
REVIEWER
DATE
REQUESTING DIVISION
LAB JOB NO.
11056-66
DRAWING NO.
FIGURE 3
REV.
REQUESTING GROUP
EM-8



NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
W3	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
- - - - -	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
-·-·-·-	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE WELL #2
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1118

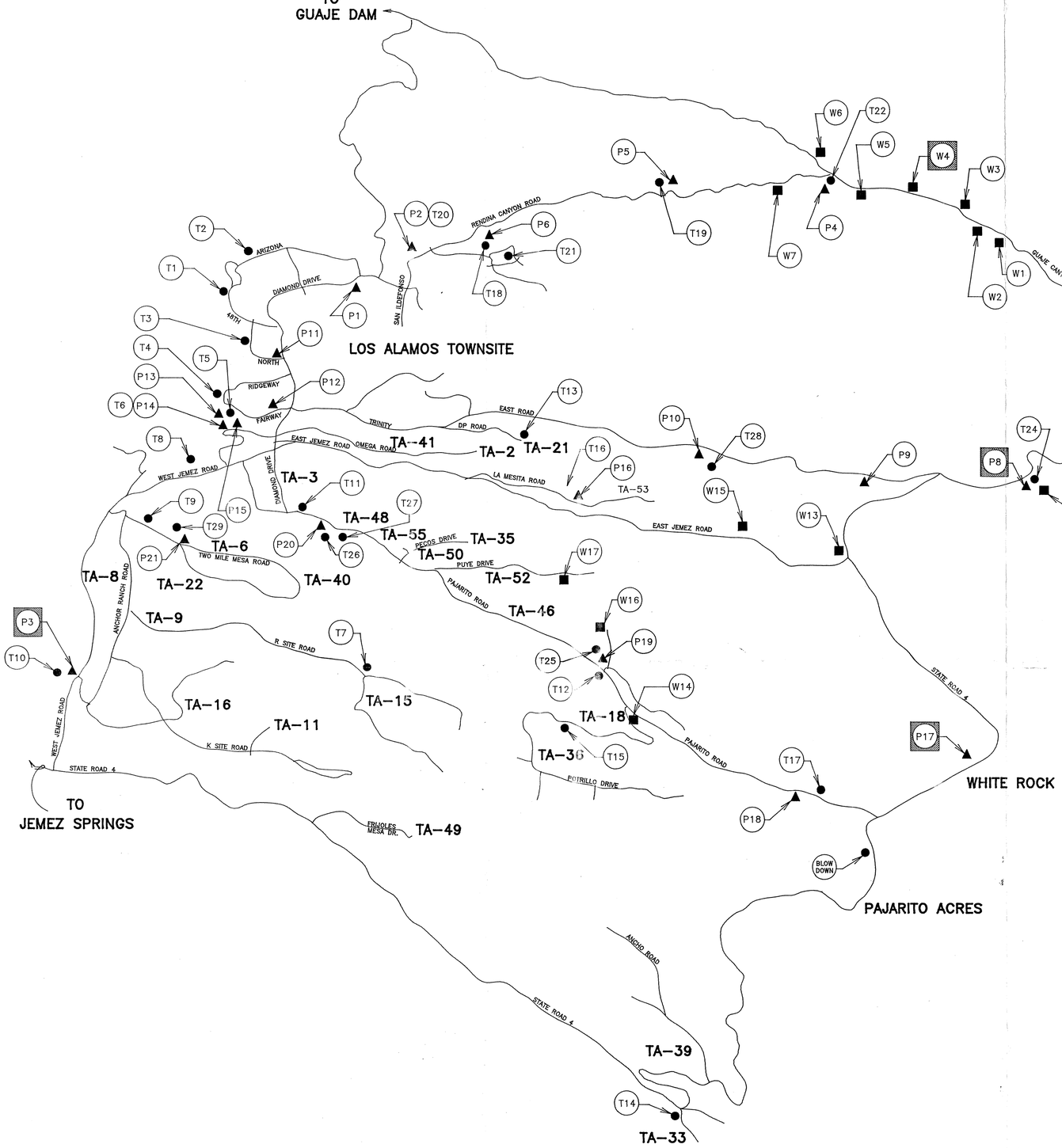
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 4	



WATER WELLS

W1	GUAJE WELL #1 (00-1117)
W2	GUAJE WELL #1A (00-1054)
W3	GUAJE WELL #2 (00-1118)
W4	GUAJE WELL #3 (00-1119)
W5	GUAJE WELL #4 (00-1120)
W6	GUAJE WELL #5 (00-1121)
W7	GUAJE WELL #6 (00-1058)
W8	LA WELL #1B (00-1101)
W9	LA WELL #2 (00-1102)
W10	LA WELL #3 (00-1103)
W11	LA WELL #4 (00-1104)
W12	LA WELL #5 (00-1105)
W13	PAJARITO MESA WELL #1 (72-4)
W14	PAJARITO MESA WELL #2 (18-252)
W15	PAJARITO MESA WELL #3 (72-7)
W16	PAJARITO MESA WELL #4 (54-1013)
W17	PAJARITO MESA WELL #5 (5-26)

PUMP STATIONS

P1	GUAJE FILTER BOOSTER STATION (00-1107)
P2	BARRANCA TANK #1 PUMP HOUSE (00-1090)
P3	TA-16 MICROSTRAINER (16-404)
P4	GUAJE BOOSTER #1 (00-1112)
P5	GUAJE BOOSTER #2 (00-1113)
P6	GUAJE BOOSTER #3 (00-1114)
P7	LA BOOSTER #1 (00-1092)
P8	LA BOOSTER #2 (00-1093)
P9	LA BOOSTER #3 (72-1)
P10	LA BOOSTER #4 (73-9)
P11	NORTH FILL BOOSTER STATION (001109)
P12	WESTERN BOOSTER STATION (00-1108)
P13	SOUTH SITE PUMP STATION (00-1110)
P14	COMMUNITY PUMP HOUSE (00-1080)
P15	S-SITE BOOSTER #1 (00-1111)
P16	TA-53 (FIRE PROTECTION HOUSE) (53-054)
P17	WHITE ROCK PUMP STATION (54-075)
P18	PAJARITO BOOSTER STATION #1 (36-117)
P19	PAJARITO BOOSTER STATION #2 (54-1007)
P20	PAJARITO BOOSTER STATION #3 (64-5)
P21	S-SITE #2 PUMP STATION (6-63)

WATER TANKS

T1	GROUP #11 TANK (00-1291)
T2	GROUP #12 TANK (00-1290)
T3	SYCAMORE TANK (00-1122)
T4	WESTERN TANK (00-1301)
T5	TWIN TANKS (00-1294 & 1293)
T6	COMMUNITY TANK (00-1295)
T7	TA-15 TANK (15-48)
T8	PAJARITO TANK #4 (NO STRUCTURE #)
T9	TWO MILE MESA TANK (69-6 & 7)
T10	TA-16 TANKS (16-171 & 247)
T11	URL-8 TANK (59-14)
T12	TA-18 TANK (18-33)
T13	TA-21 TANK (21-334)
T14	TA-33 TANK (33-28)
T15	TA-36 TANK (36-116)
T16	TA-53 TANK (53-55)
T17	PAJARITO BOOSTER TANK (54-71)
T18	GUAJE BOOSTER TANK #3 (QUAN.=2) (00-1289 & 1288)
T19	GUAJE BOOSTER TANK #2 (QUAN.=2) (00-1286 & 1287)
T20	BARRANCA TANK #1 (00-1296)
T21	BARRANCA TANK #2 (00-1297)
T22	GUAJE BOOSTER TANK #1 (00-1285)
T23	LA BOOSTER TANK #1
T24	LA BOOSTER TANK #2 (NO STRUCTURE #)
T25	PAJARITO BOOSTER TANK #2 (54-1006)
T26	PAJARITO BOOSTER TANK #3 (64-4)
T27	PAJARITO BOOSTER TANK #3 (64-3)
T28	LA BOOSTER TANK #4 (73-10)
T29	PAJARITO TANK #4A (NO STRUCTURE #)

15366-B

NOTE:

THE FOLLOWING LOS ALAMOS AREA WATER STRUCTURES HAVE BEEN DECOMISSIONED AND SOME HAVE BEEN COMPLETELY REMOVED. EXISTING PERMITS FOR THESE OUTFALLS WERE REQUESTED TO BE DELETED BY THE D.O.E. LOS ALAMOS AREA OFFICE ON AUGUST 3,1993.

W8 L.A. WELL #1B (00-1101) EPA-04A-167
W9 L.A. WELL #2 (00-1102) EPA-04A-168
W10 L.A. WELL #3 (00-1103) EPA-04A-169
W12 L.A. WELL #5 (00-1105) EPA-04A-170
P7 L.A. BOOSTER #1 (00-1092) EPA-04A-178

LOS ALAMOS AREA — WATER STRUCTURES — LOCATION PLAN

— NOT TO SCALE —

N

NO.	DATE	CLASS REV.	REVISIONS	DWN	DES	REL	REQ. GRP	REQ. D.O.	REC	APP

SANTA FE ENGINEERING, LTD.

LOS ALAMOS AREA:
WATER WELLS, PUMP STATIONS AND WATER TANKS — LOCATION PLAN

DRAWN	SISNEROS
DESIGN	SISNEROS
CHECKED	S.C.D.
RELEASED	
DATE	3-7-94

SUBMITTED | RECOMMENDED | APPROVED

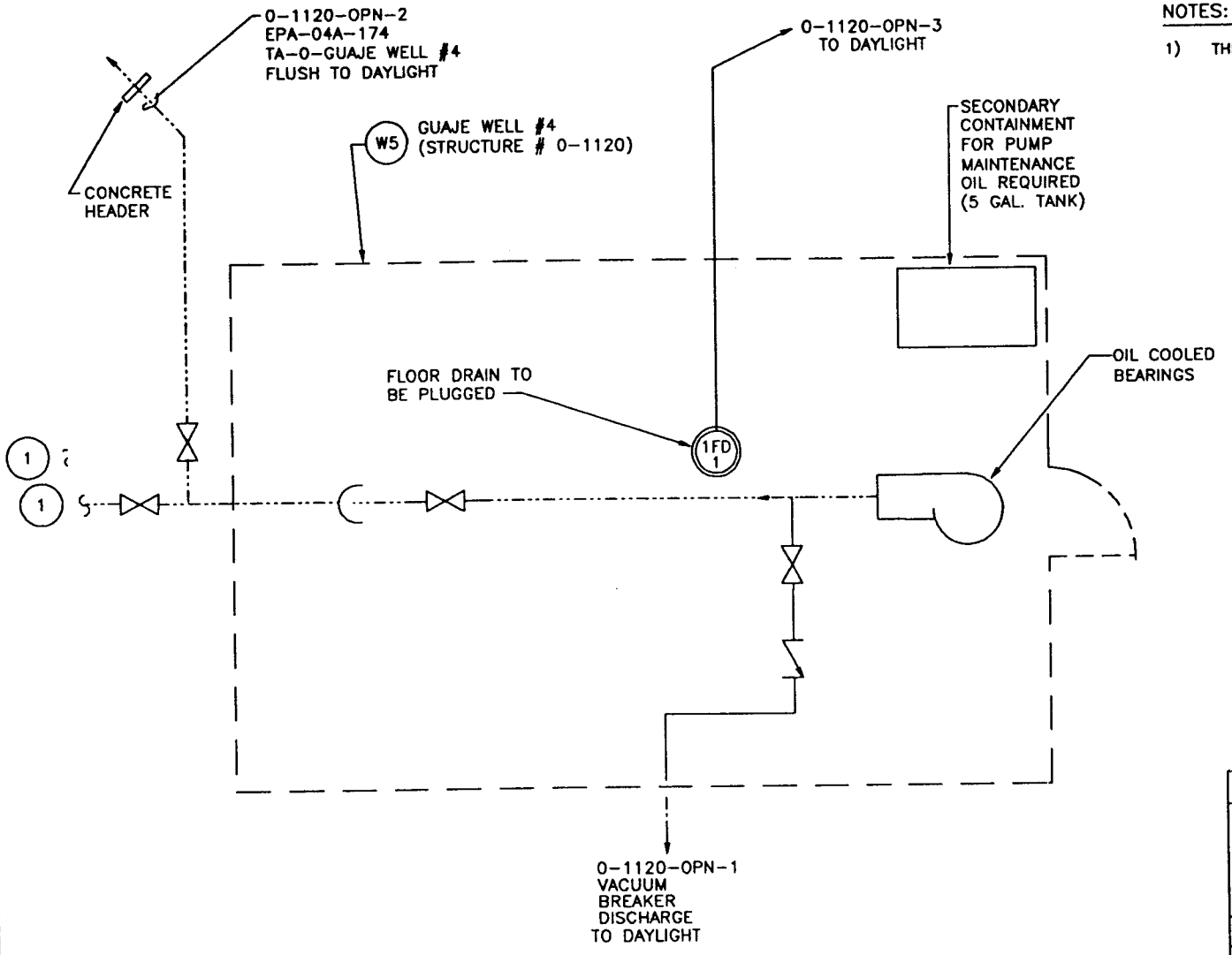
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET / OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 1 | REV.

REQUESTING GROUP EM-8



GUAJE WELL #4

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACCUM BREAKER
W5	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
- - - - -	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·—·—·—	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE WELL #4
DRAIN SCHEMATIC

TA-0 STRUCT. 1120

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

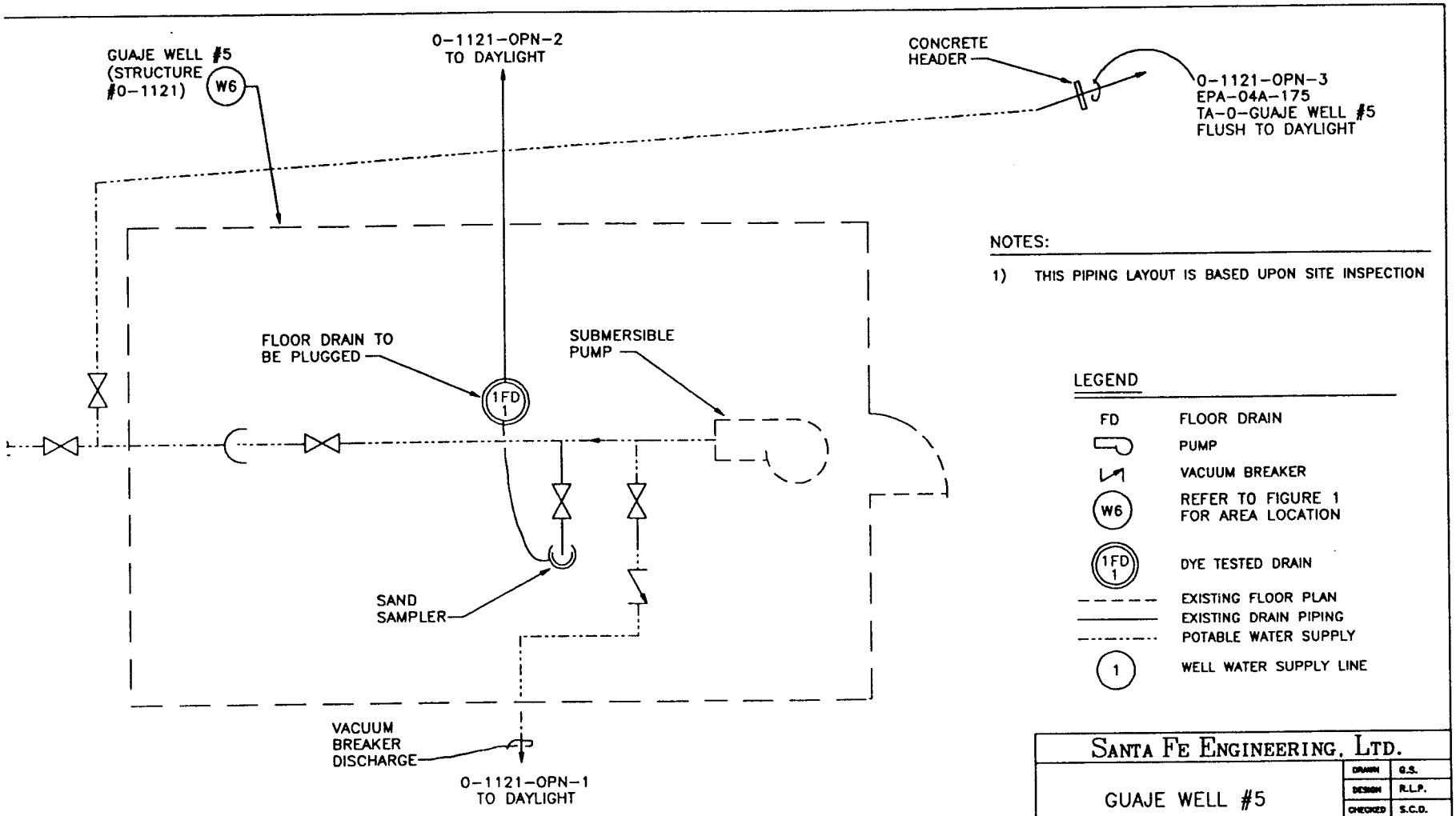
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 5	



GUAJE WELL #5

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
W6	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
- - - - - -	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·-·-·-·-	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE WELL #5
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1121

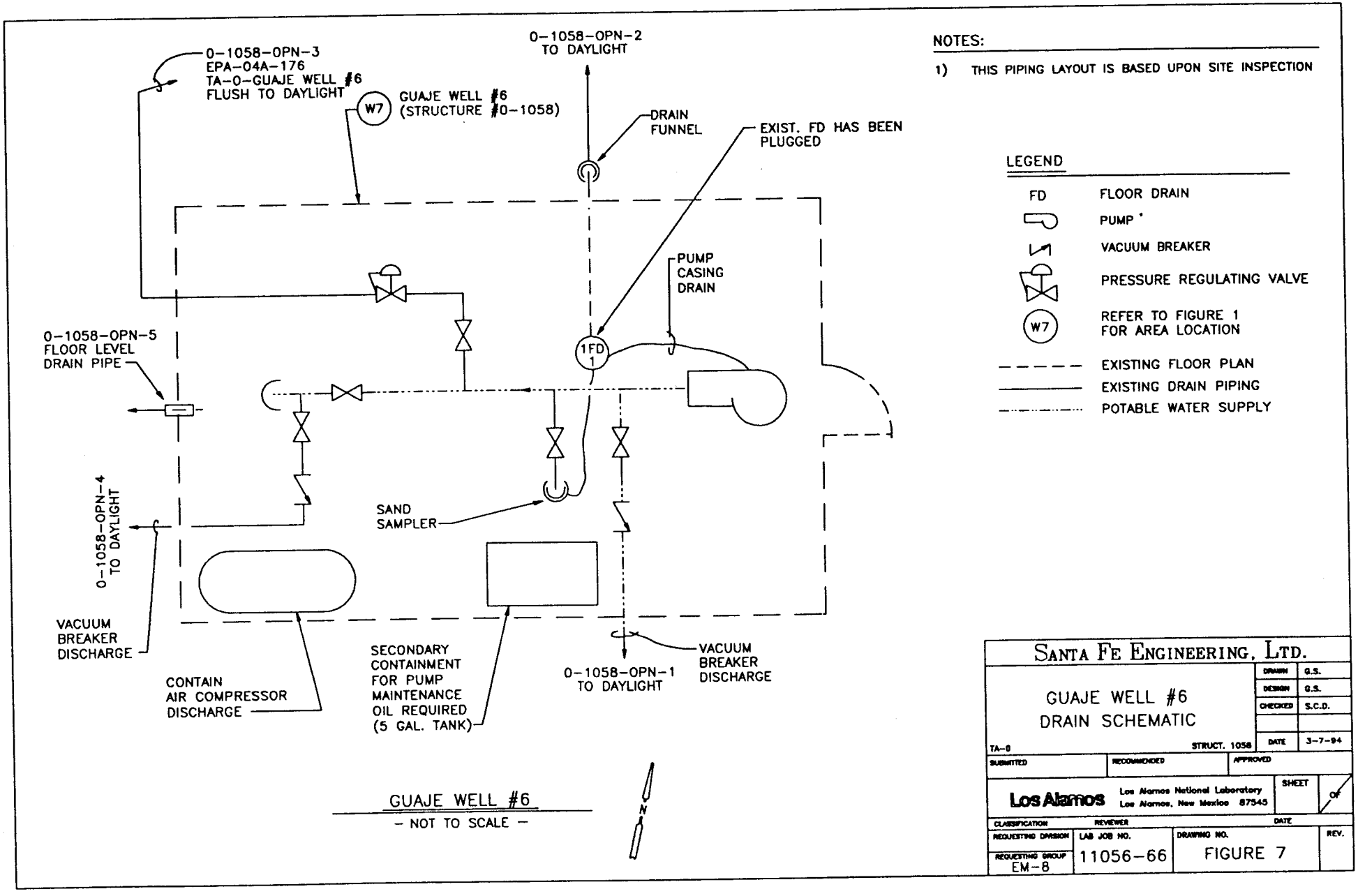
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 6	



NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP *
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
W7	REFER TO FIGURE 1 FOR AREA LOCATION
- - - - -	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
-·-·-·-	POTABLE WATER SUPPLY

SANTA FE ENGINEERING, LTD.

GUAJE WELL #6
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1058

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

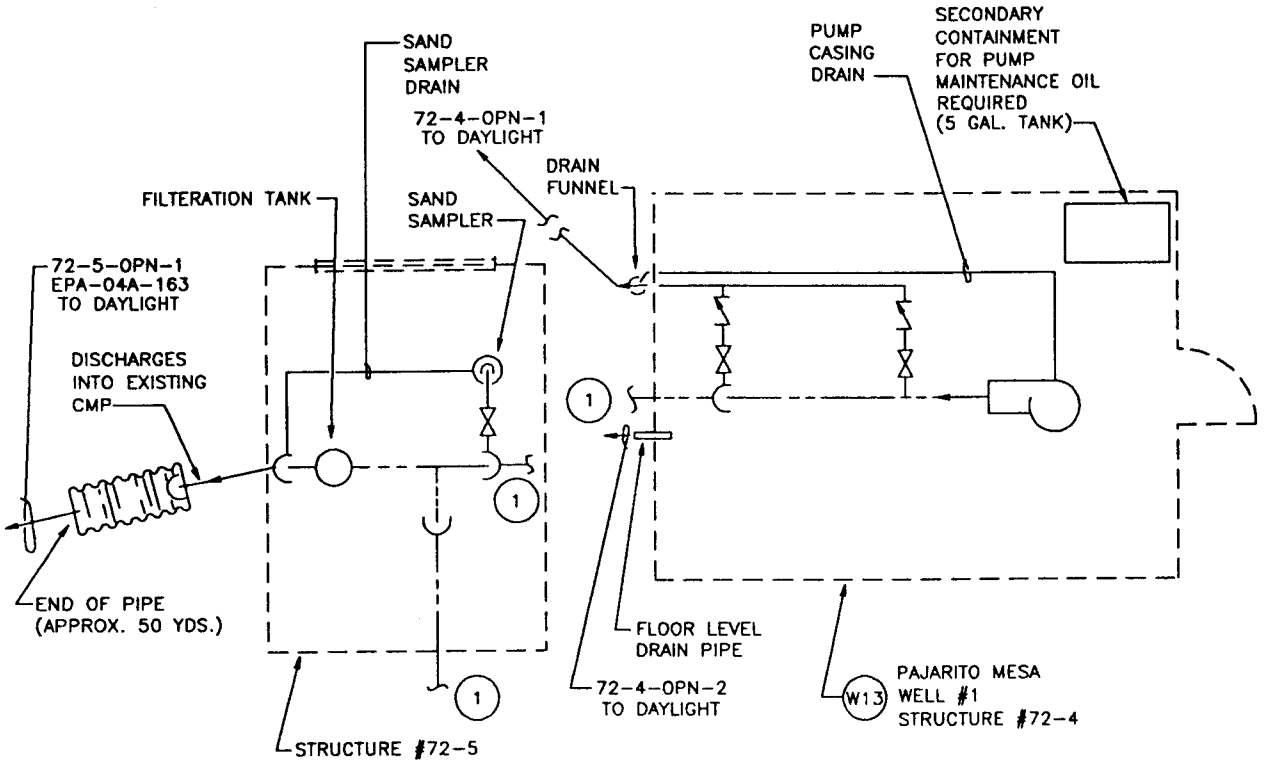
CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP: EM-8 | 11056-66 | FIGURE 7

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



LEGEND:

- PUMP
- VACUUM BREAKER
- (W13) REFER TO FIGURE 1 FOR AREA LOCATION
- EXISTING FLOOR PLAN
- EXISTING DRAIN PIPING
- POTABLE WATER SYPPLY
- (1) WELL WATER SUPPLY LINE

PAJARITO MESA WELL #1

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

PAJARITO MESA WELL #1
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-72 STRUCT. 4

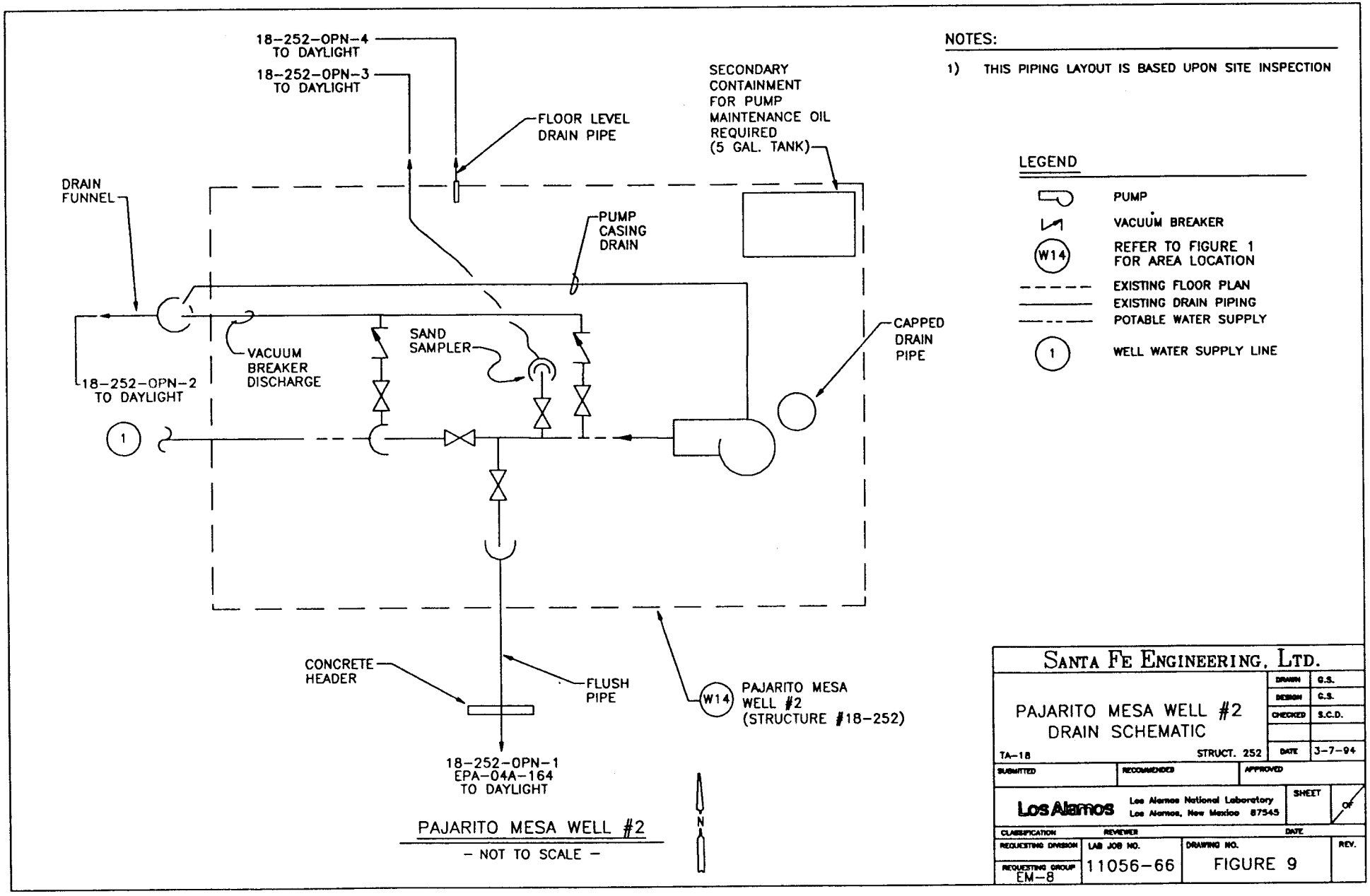
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 8	



PAJARITO MESA WELL #2

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

- PUMP
- VACUUM BREAKER
- (W14) REFER TO FIGURE 1 FOR AREA LOCATION
- EXISTING FLOOR PLAN
- EXISTING DRAIN PIPING
- POTABLE WATER SUPPLY
- (1) WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

PAJARITO MESA WELL #2
DRAIN SCHEMATIC

TA-18 STRUCT. 252

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

SUBMITTED | RECOMMENDED | APPROVED

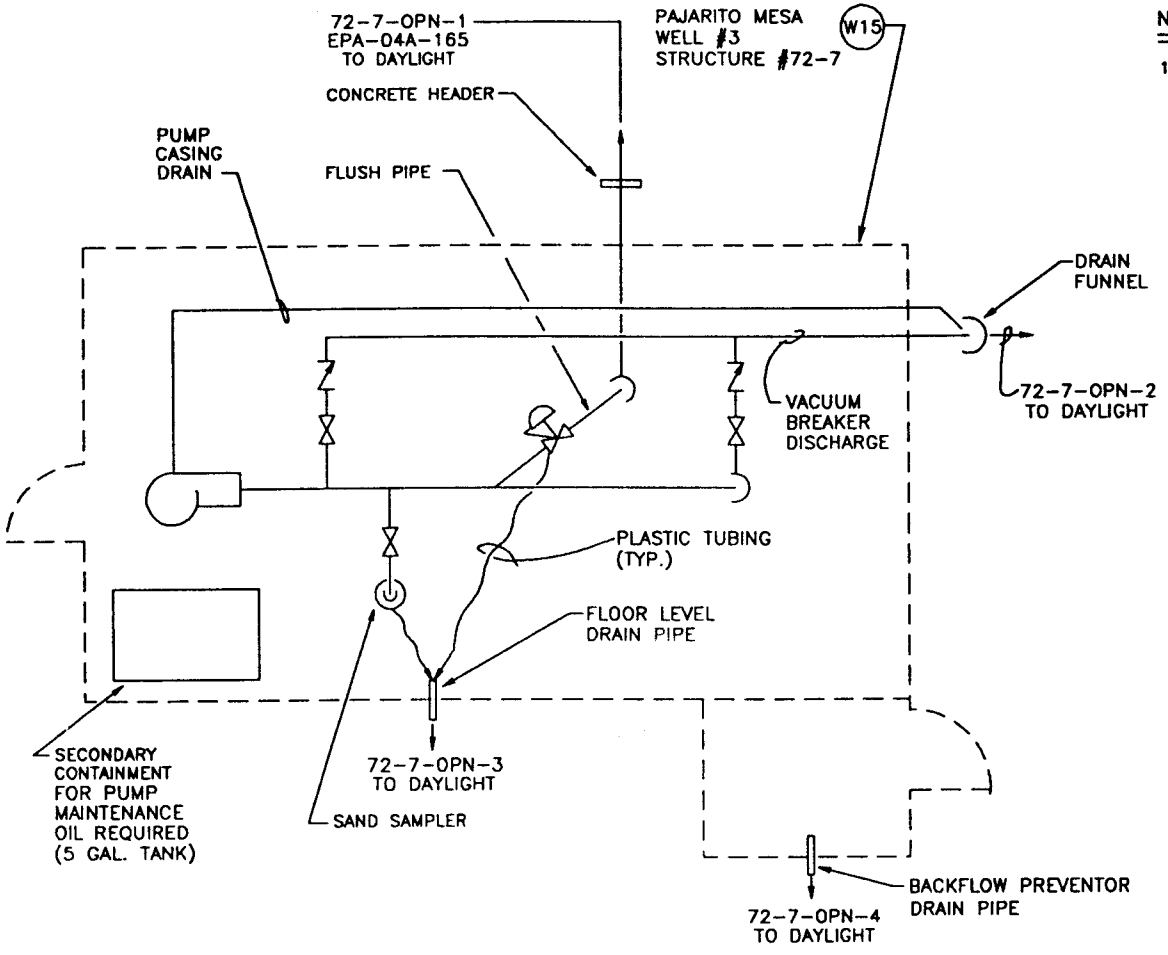
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP: EM-8 | 11056-66 | FIGURE 9



PAJARITO MESA WELL #3

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

- PUMP
- W15 — REFER TO FIGURE 1 FOR AREA LOCATION
- PRESSURE REGULATING VALVE
- VACUUM BREAKER
- EXISTING FLOOR PLAN
- EXISTING DRAIN PIPING
- POTABLE WATER SUPPLY

SANTA FE ENGINEERING, LTD.

PAJARITO MESA WELL #3
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-72 STRUCT. 7

SUBMITTED | RECOMMENDED | APPROVED

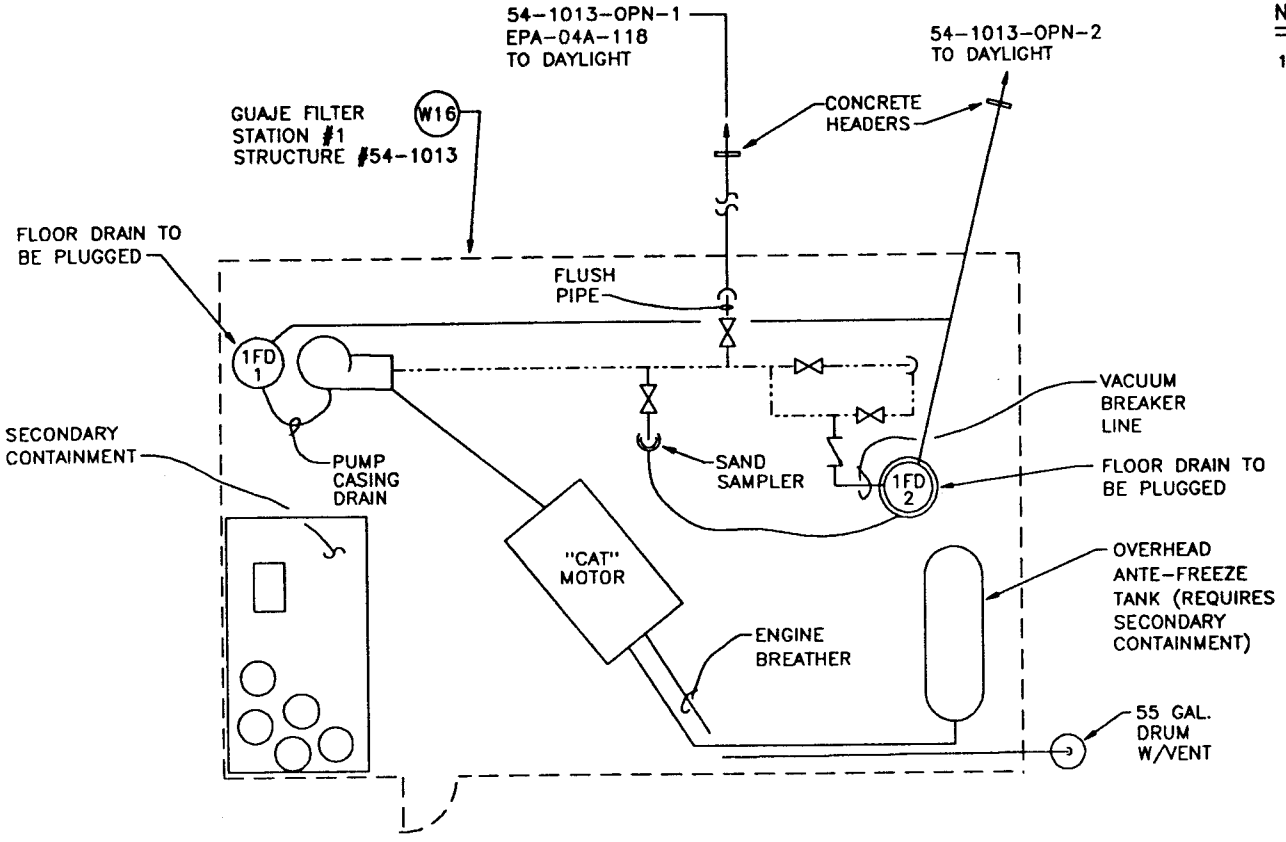
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 10 | REV.

REQUESTING GROUP EM-8



PAJARITO MESA WELL #4

- NOT TO SCALE -

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
W16	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 2	DYE TESTED DRAIN
- - - -	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
----.----	POTABLE WATER SUPPLY

SANTA FE ENGINEERING, LTD.

PAJARITO MESA WELL #4
DRAIN SCHEMATIC

TA-54 STRUCT. 1013

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

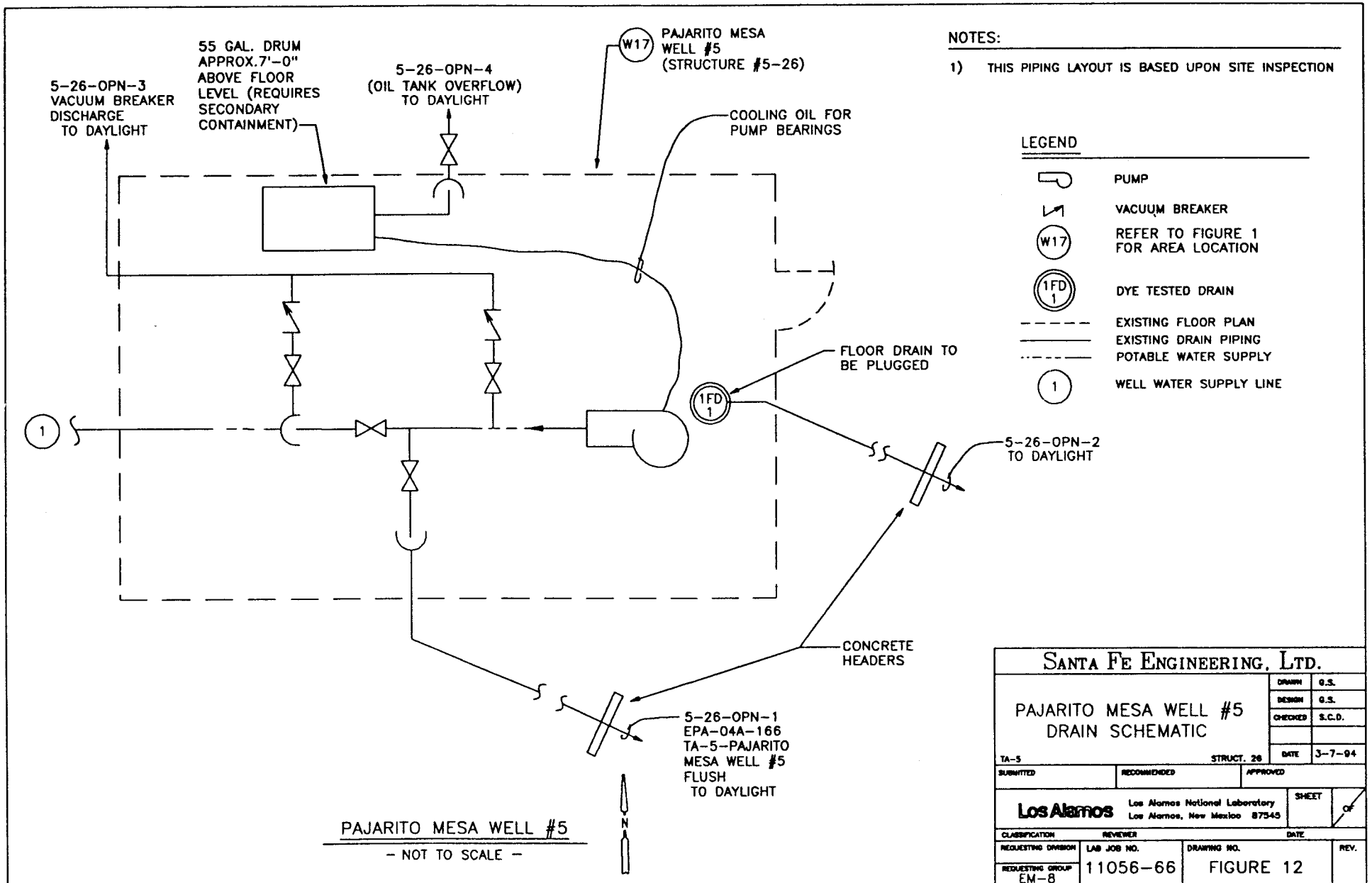
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 11	



PAJARITO MESA WELL #5

– NOT TO SCALE –

SANTA FE ENGINEERING, LTD.

PAJARITO MESA WELL #5
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-5 STRUCT. 26

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

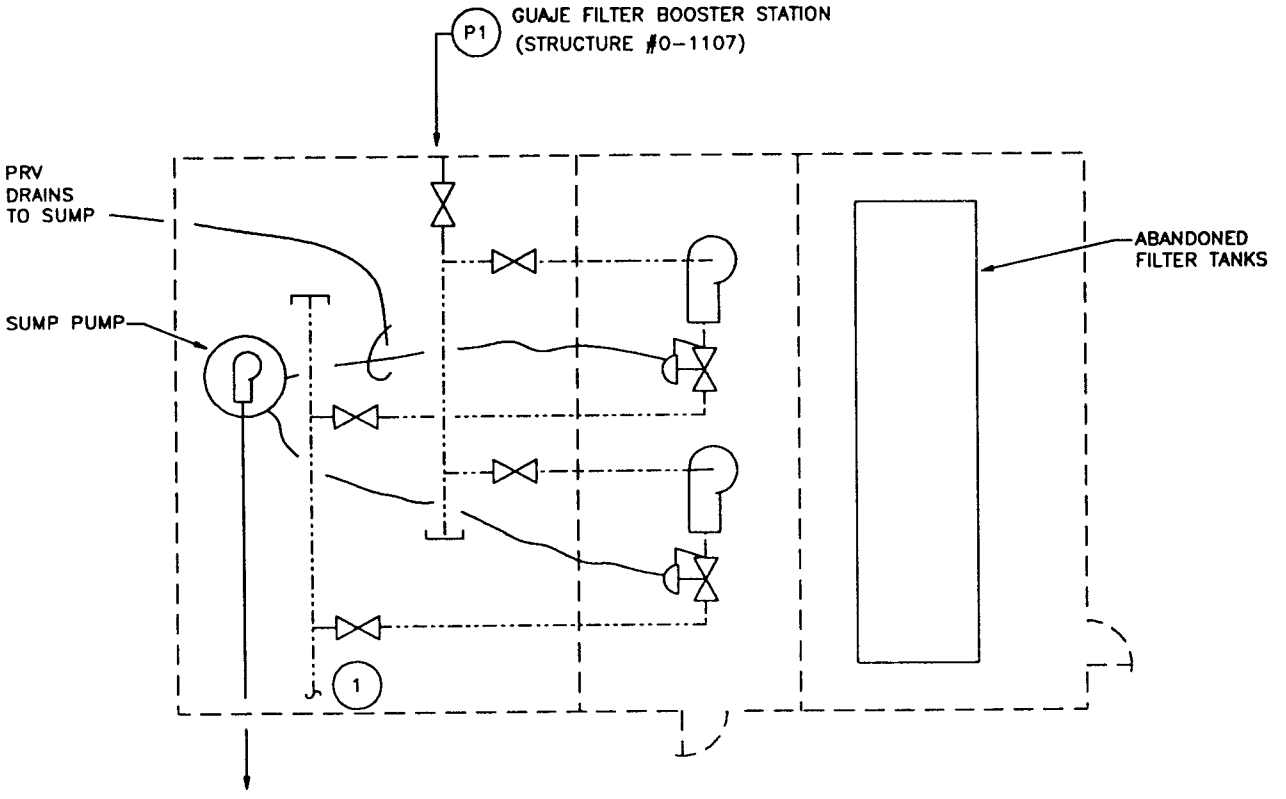
SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-66	FIGURE 12	

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P1	REFER TO FIGURE 1 FOR AREA LOCATION
	EXISTING FLOOR PLAN
	EXISTING DRAIN PIPING
	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

GUAJE FILTER BOOSTER STATION

– NOT TO SCALE –

SANTA FE ENGINEERING, LTD.

GUAJE FILTER
BOOSTER STATION
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1107

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

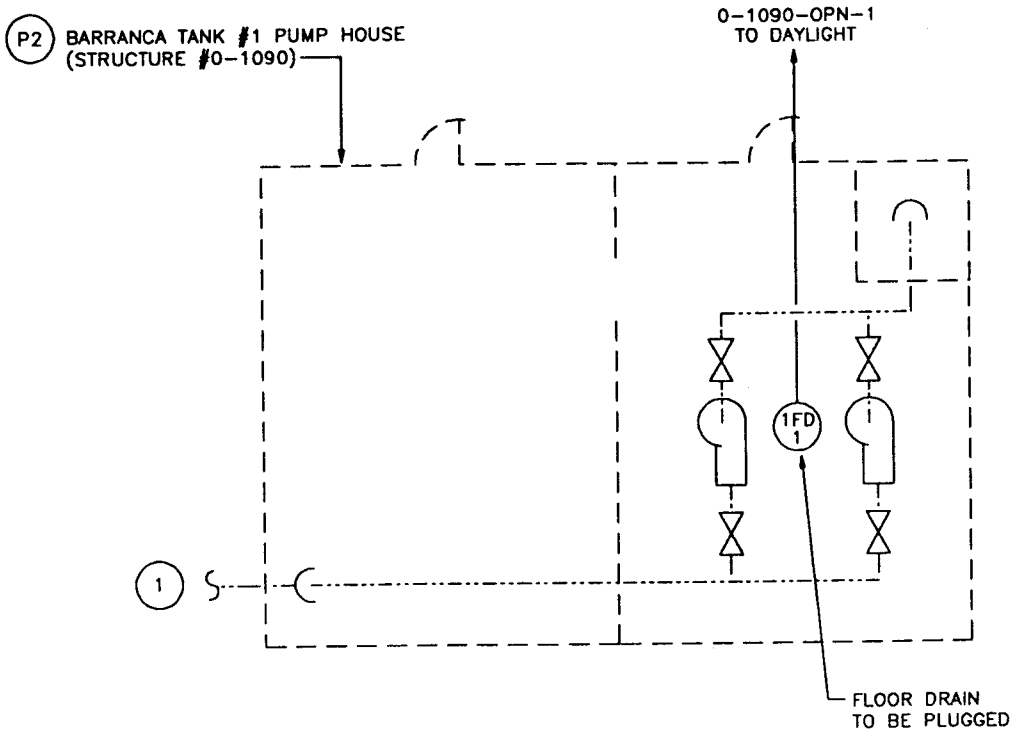
SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-66	FIGURE 13	

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P2	REFER TO FIGURE 1 FOR AREA LOCATION
	EXISTING FLOOR PLAN
	EXISTING DRAIN PIPING
	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

BARRANCA TANK #1 PUMP HOUSE

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

BARRANCA TANK #1
PUMP HOUSE
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1090

SUBMITTED | RECOMMENDED | APPROVED

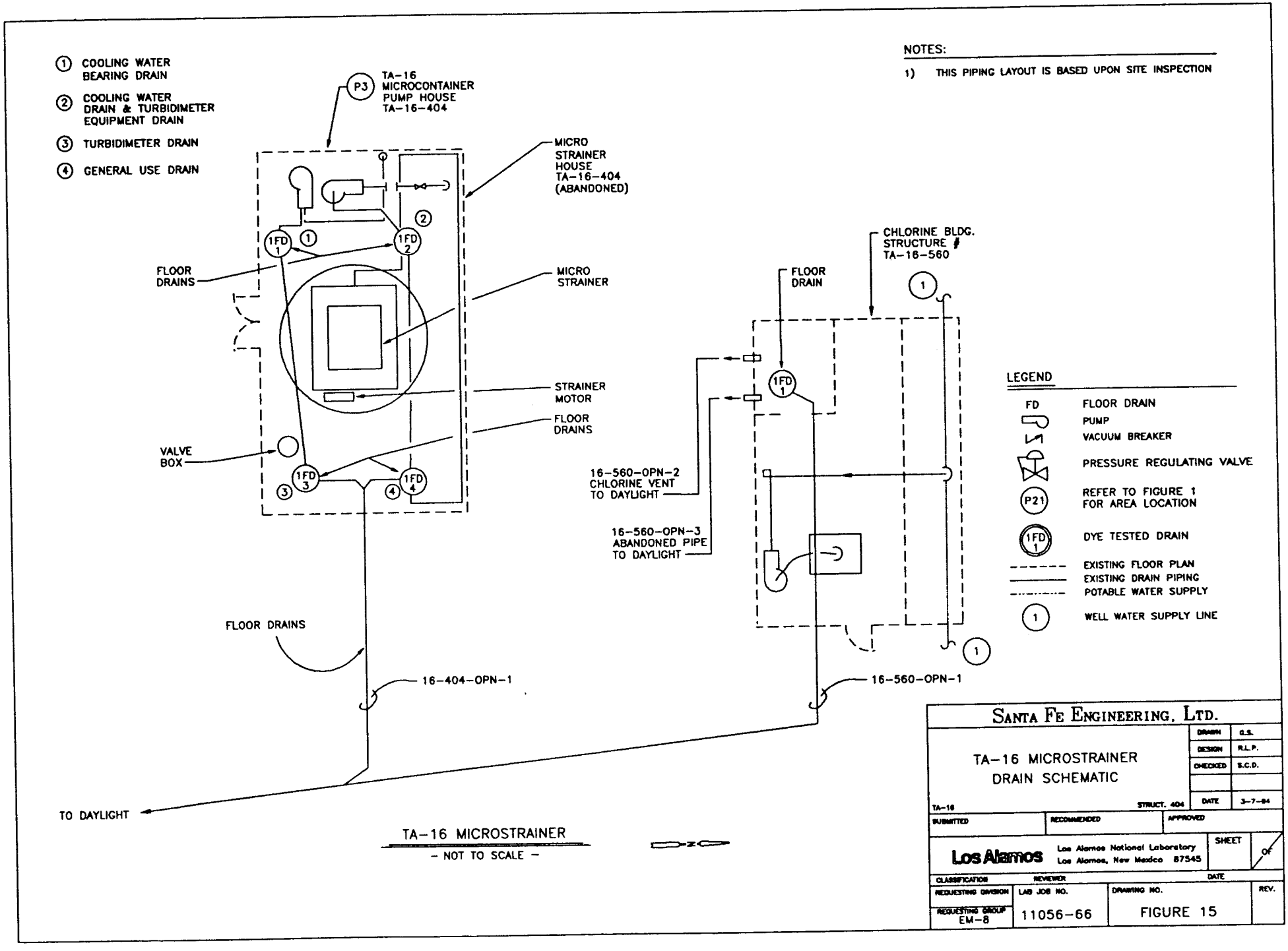
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

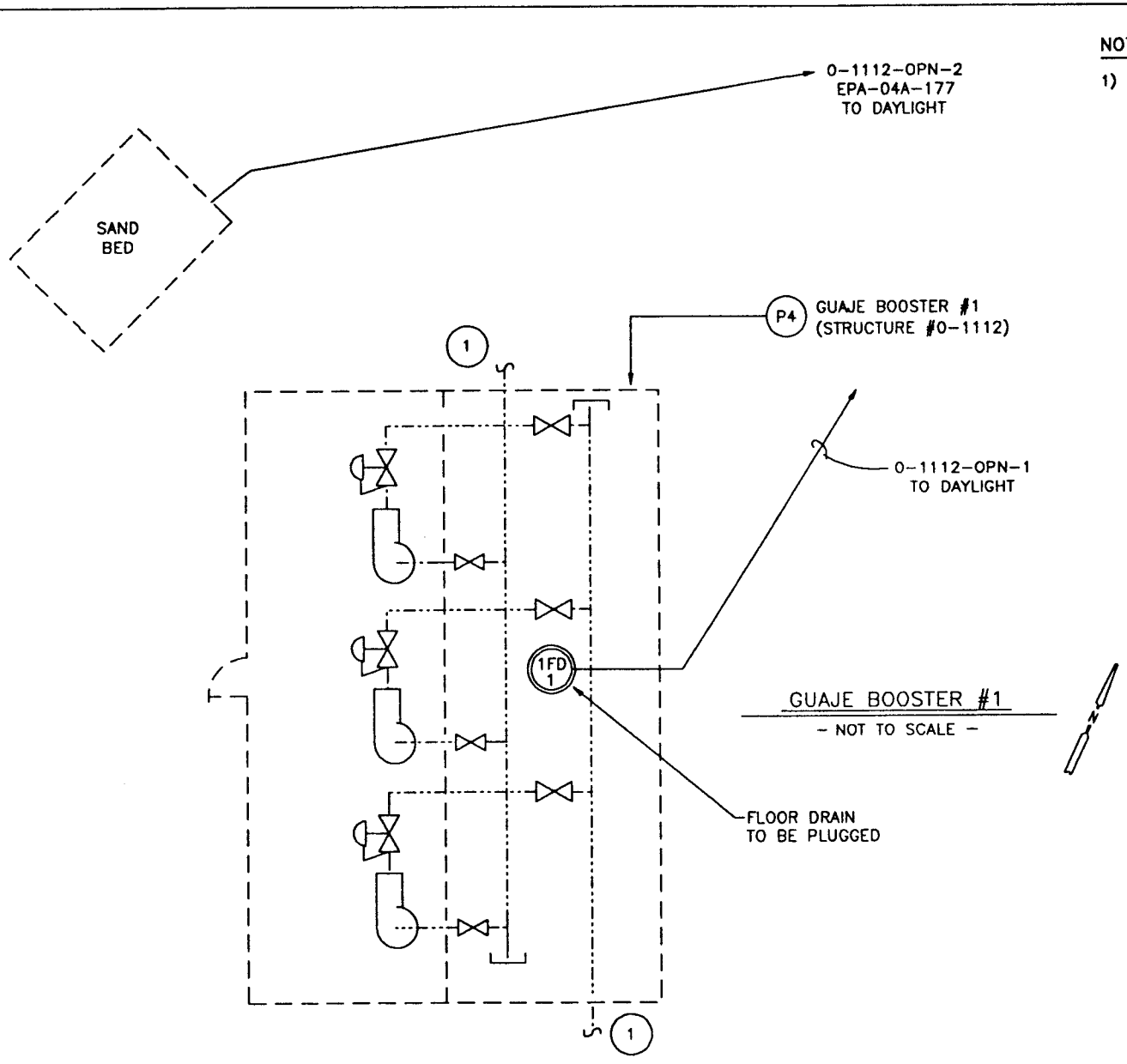
SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 14 | REV.

REQUESTING GROUP EM-8


① COOLING WATER BEARING DRAIN
② COOLING WATER DRAIN & TURBIDIMETER EQUIPMENT DRAIN
③ TURBIDIMETER DRAIN
④ GENERAL USE DRAIN
P3 TA-16 MICROCONTAINER PUMP HOUSE TA-16-404
MICRO STRAINER HOUSE TA-16-404 (ABANDONED)
1FD 1
1FD 2
1FD 3
1FD 4
FLOOR DRAINS
MICRO STRAINER
STRAINER MOTOR
FLOOR DRAINS
VALVE BOX
FLOOR DRAINS
16-404-OPN-1
TO DAYLIGHT
CHLORINE BLDG. STRUCTURE # TA-16-560
FLOOR DRAIN
16-560-OPN-2 CHLORINE VENT TO DAYLIGHT
16-560-OPN-3 ABANDONED PIPE TO DAYLIGHT
16-560-OPN-1
NOTES:
1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION
LEGEND
FD FLOOR DRAIN
PUMP
VACUUM BREAKER
PRESSURE REGULATING VALVE
P21 REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1 DYE TESTED DRAIN
EXISTING FLOOR PLAN
EXISTING DRAIN PIPING
POTABLE WATER SUPPLY
1 WELL WATER SUPPLY LINE
TA-16 MICROSTRAINER
- NOT TO SCALE -
SANTA FE ENGINEERING, LTD.
TA-16 MICROSTRAINER DRAIN SCHEMATIC
DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
DATE 3-7-84
TA-16 STRUCT. 404
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 11056-66 FIGURE 15



NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P4	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
	EXISTING FLOOR PLAN
	EXISTING DRAIN PIPING
	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER #1
DRAIN SCHEMATIC

DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
DATE 3-7-94

TA-0 STRUCT. 1112

SUBMITTED | RECOMMENDED | APPROVED

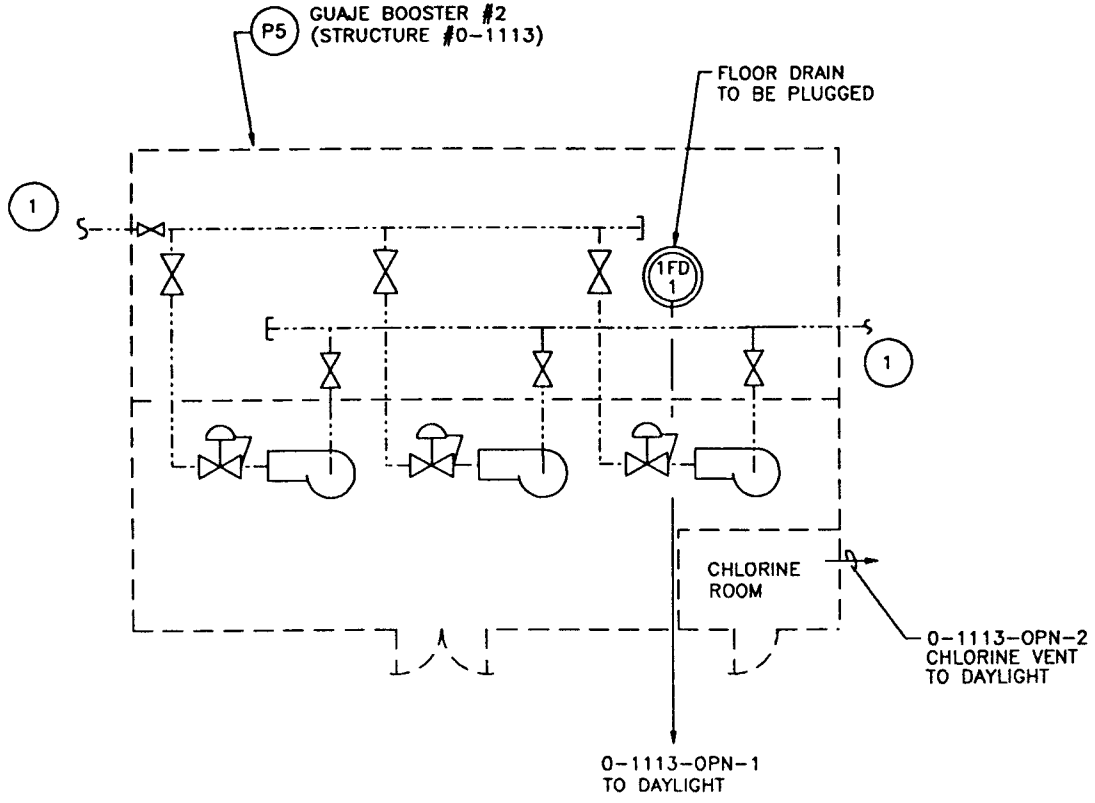
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP EM-8 | 11056-66 | FIGURE 16



GUAJE BOOSTER #2

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P5	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
– – – – –	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·–·–·–·	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER #2
DRAIN SCHEMATIC

DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
DATE 3-7-94

TA-0 STRUCT. 1113

SUBMITTED | RECOMMENDED | APPROVED

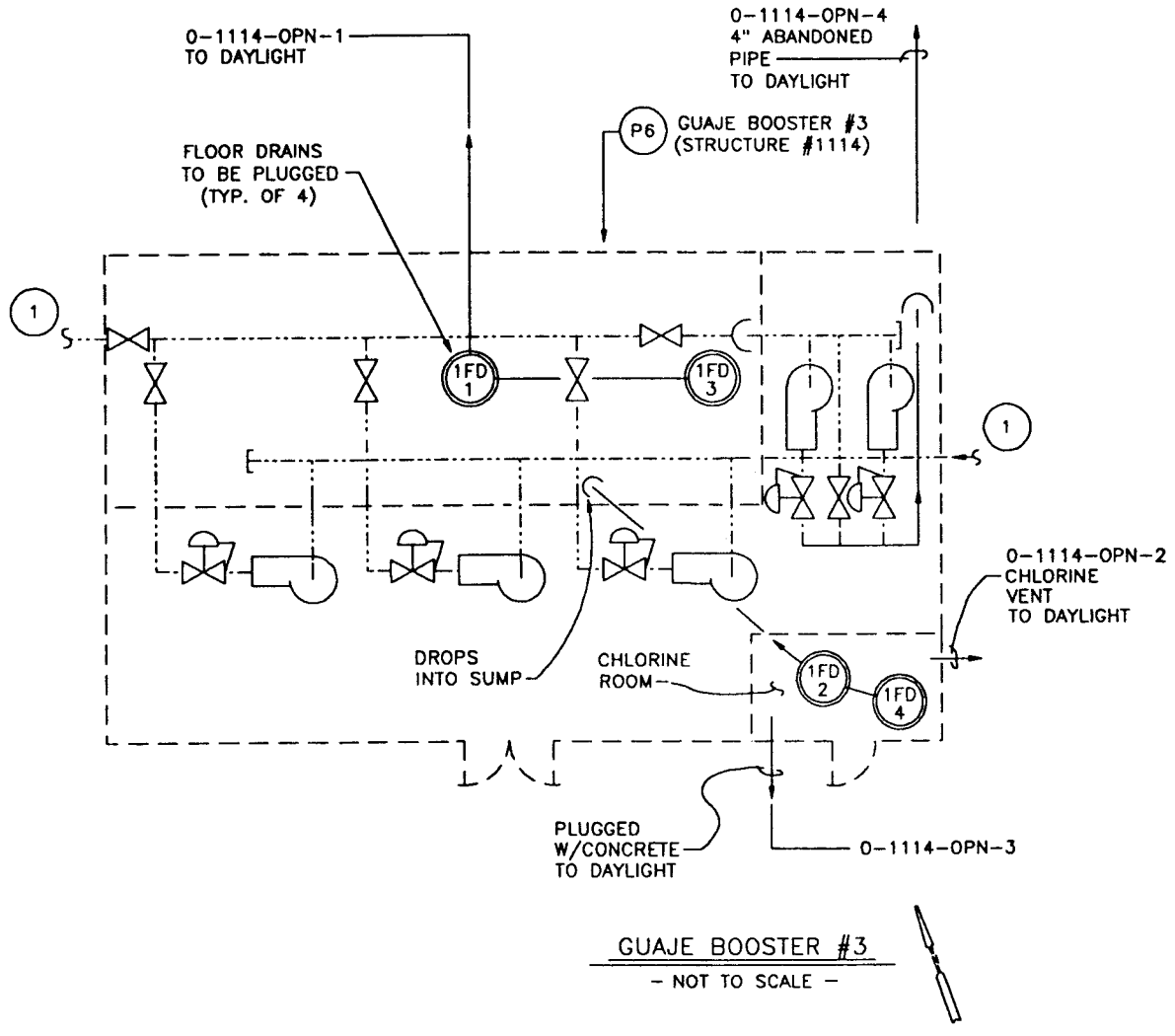
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 17 | REV.

REQUESTING GROUP EM-8



GUAJE BOOSTER #3

– NOT TO SCALE –

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P5	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 2	DYE TESTED DRAIN
- - - - -	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·-·-·-·-	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER #3
DRAIN SCHEMATIC

DRAWN G.S. | DESIGN R.L.P. | CHECKED S.C.D. | DATE 3-7-94

TA-0 STRUCT. 1114

SUBMITTED | RECOMMENDED | APPROVED

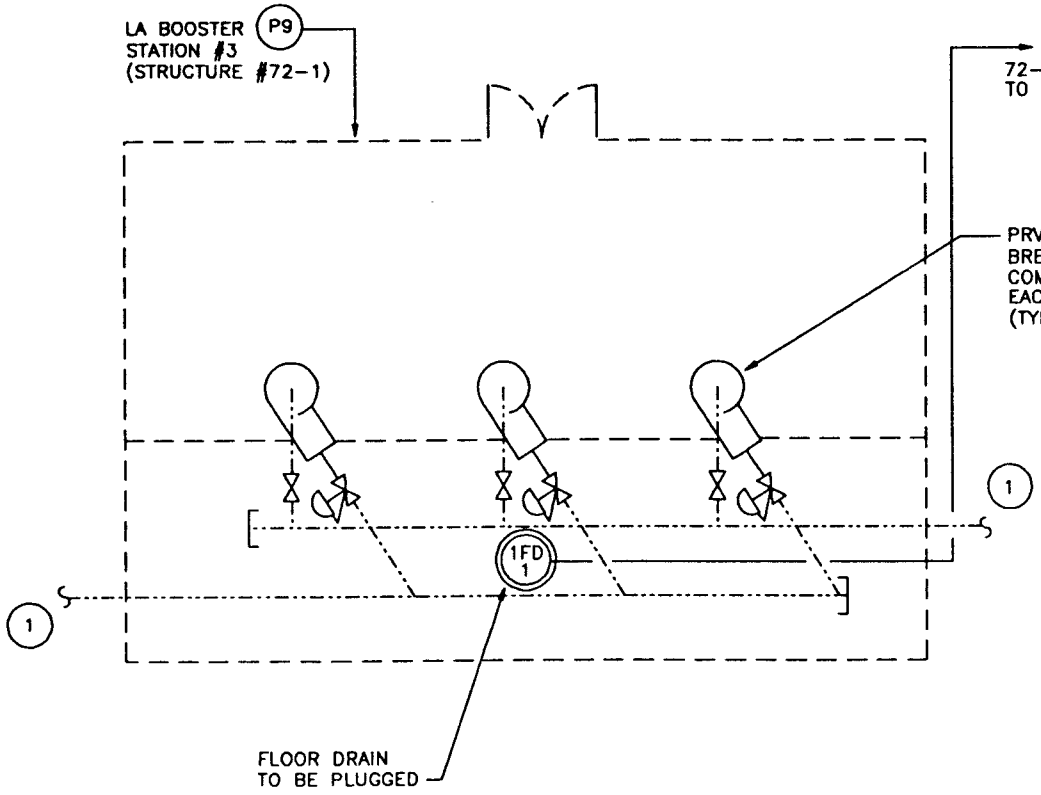
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP: EM-8 | 11056-66 | FIGURE 18



LA BOOSTER STATION #3
– NOT TO SCALE –

N

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
	VACUUM BREAKER
P9	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
– – – –	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
·-·-·-·	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

LA BOOSTER STATION #3
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-72 STRUCT. 1

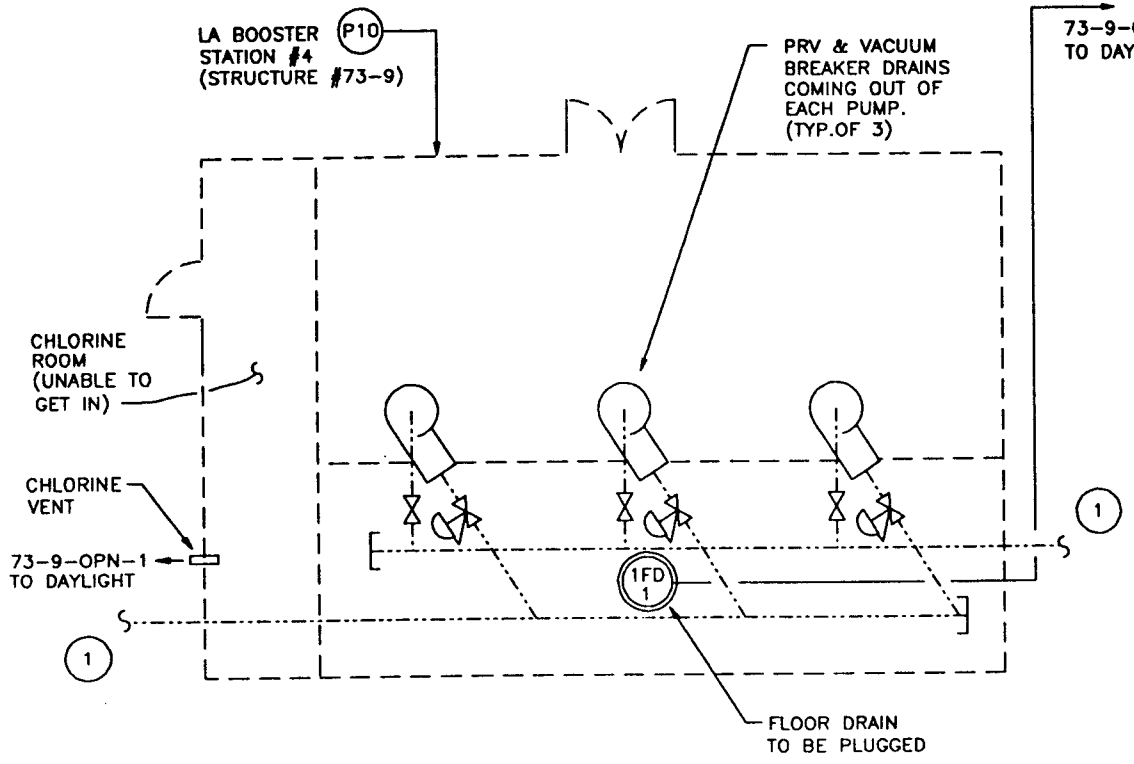
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 19	



LA BOOSTER STATION #4

– NOT TO SCALE –

N

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
	VACUUM BREAKER
P10	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
– – – –	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
·—·—·—	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

LA BOOSTER STATION #4
DRAIN SCHEMATIC

DRAWN G.S.
DESIGN J.A.S.
CHECKED S.C.D.
DATE 3-7-94

TA-73 STRUCT. 9

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

SHEET OF

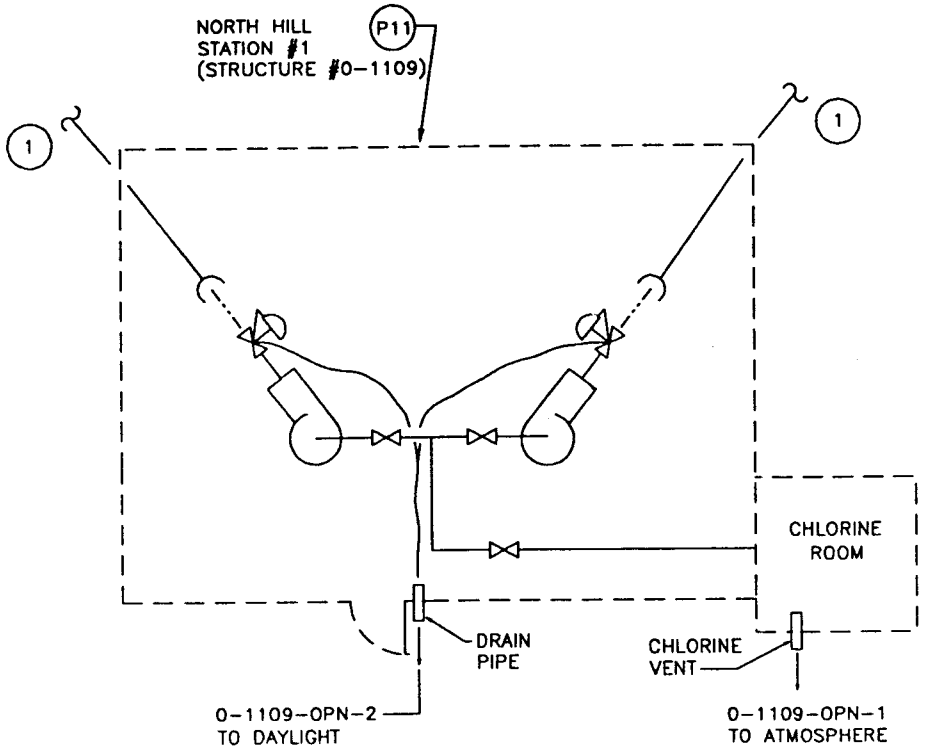
CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP EM-8 | 11056-66 | FIGURE 20

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



NORTH FILL BOOSTER STATION #1

- NOT TO SCALE -

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
P11	REFER TO FIGURE 1 FOR AREA LOCATION
- - - -	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
---.---.---	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

NORTH FILL
BOOSTER STATION #1
DRAIN SCHEMATIC

TA-0 STRUCT. 1109

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

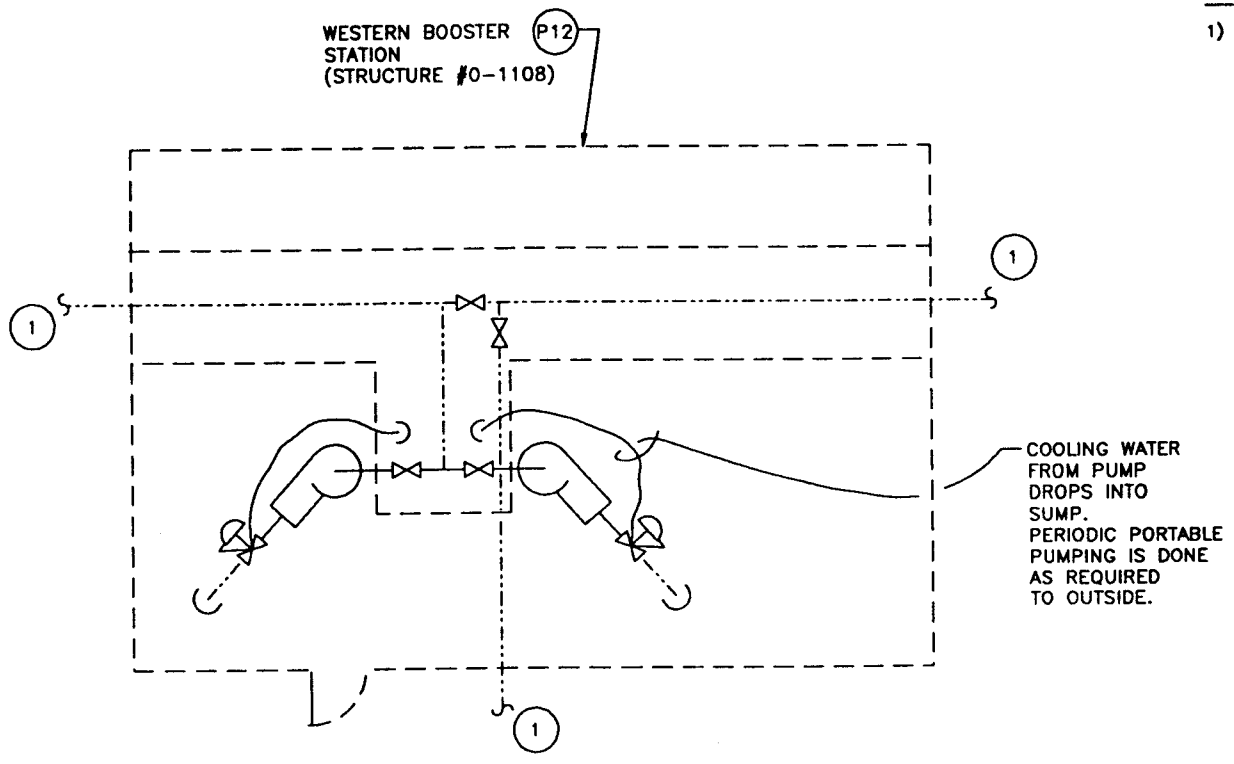
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 21	



WESTERN BOOSTER STATION

- NOT TO SCALE -

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
P12	REFER TO FIGURE 1 FOR AREA LOCATION
- - - -	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
----.----	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

WESTERN BOOSTER STATION DRAIN SCHEMATIC

TA-0 STRUCT. 1108

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

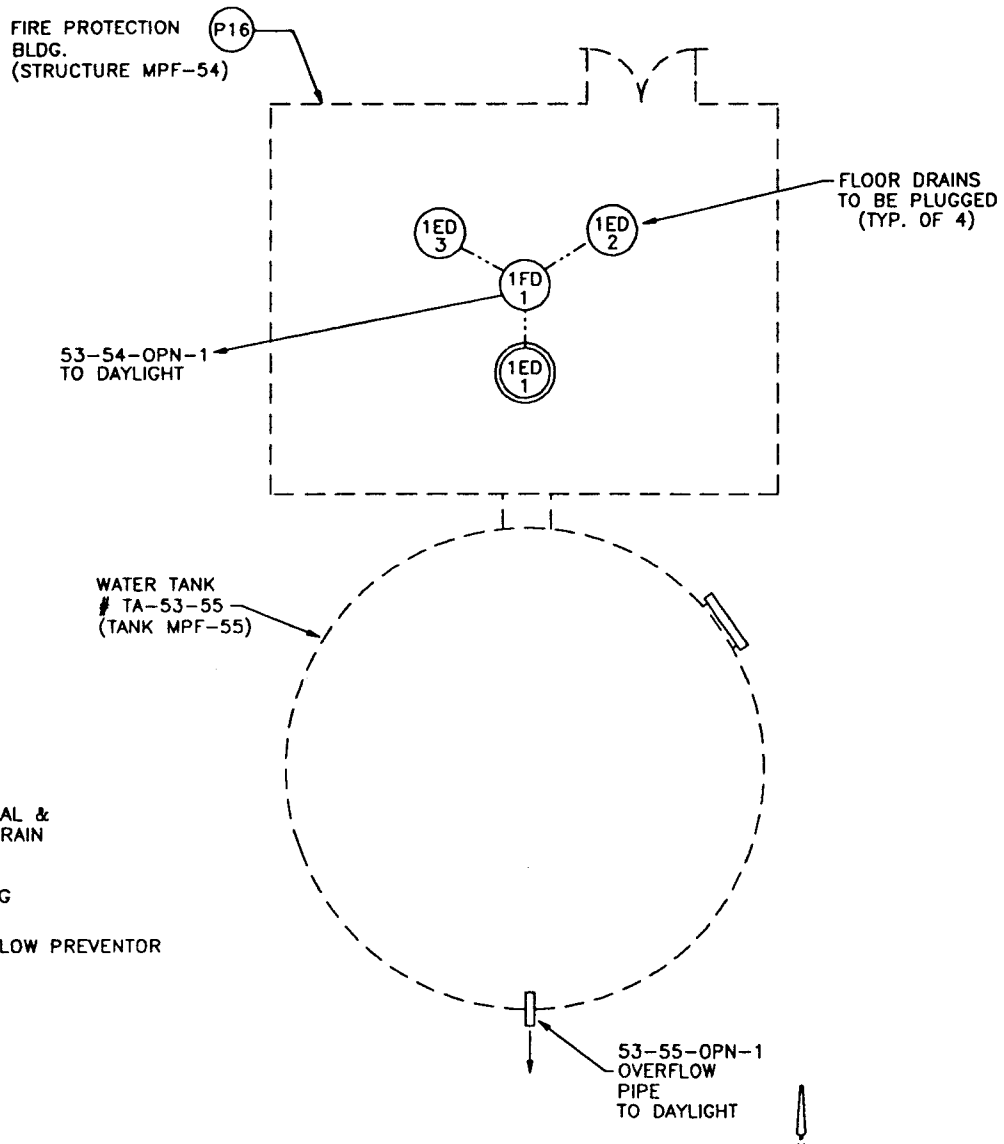
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 22	



TA-53 FIRE PROTECTION HOUSE

– NOT TO SCALE –

FD GENERAL & PRV DRAIN

ED1 PRV

PUMP CASING DRAIN

ED3 BACKFLOW PREVENTOR DRAIN

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
	VACUUM BREAKER
P16	REFER TO FIGURE 1 FOR AREA LOCATION
1ED 1	DYE TESTED DRAIN
– – – –	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
·–·–·–·	POTABLE WATER SUPPLY

SANTA FE ENGINEERING, LTD.

TA-53
FIRE PROTECTION HOUSE
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-53 STRUCT. 54

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos National Laboratory, Los Alamos, New Mexico 87545

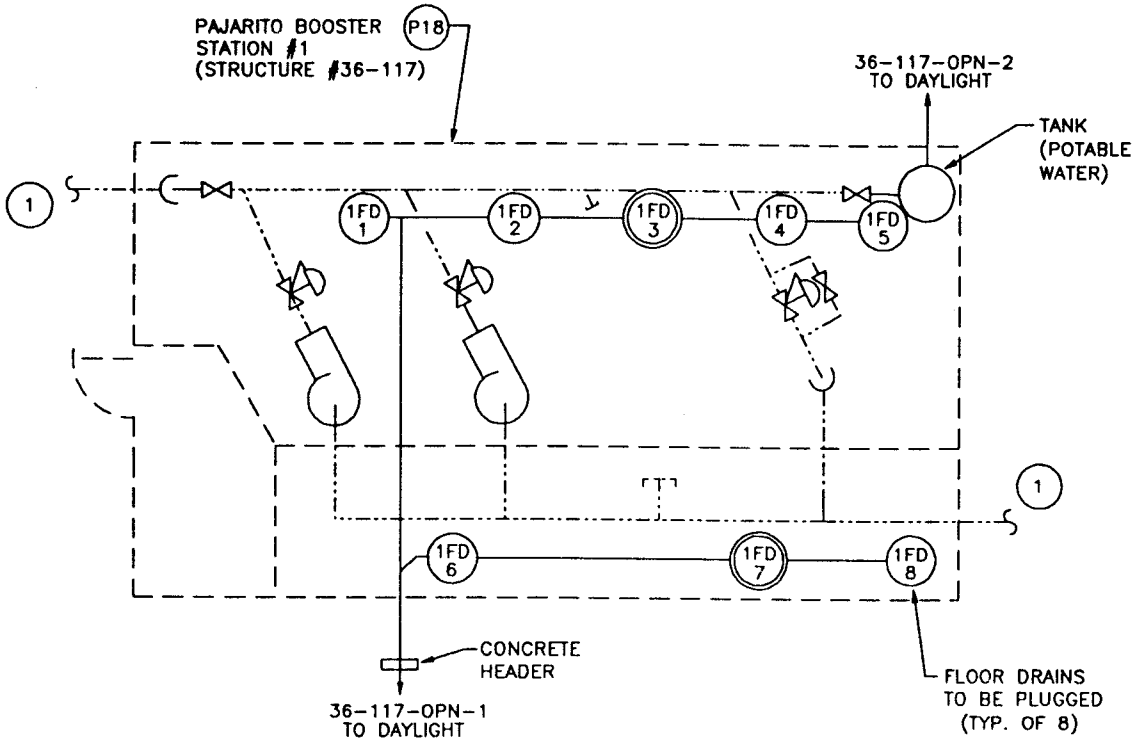
SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-66	FIGURE 24	

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



PAJARITO BOOSTER STATION #1

– NOT TO SCALE –

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
P18	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 7	DYE TESTED DRAIN
- - - -	EXISTING FLOOR DRAIN
———	EXISTING DRAIN PIPING
·-·-·-·-	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

PAJARITO BOOSTER STATION #1 DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-36 STRUCT. 117

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

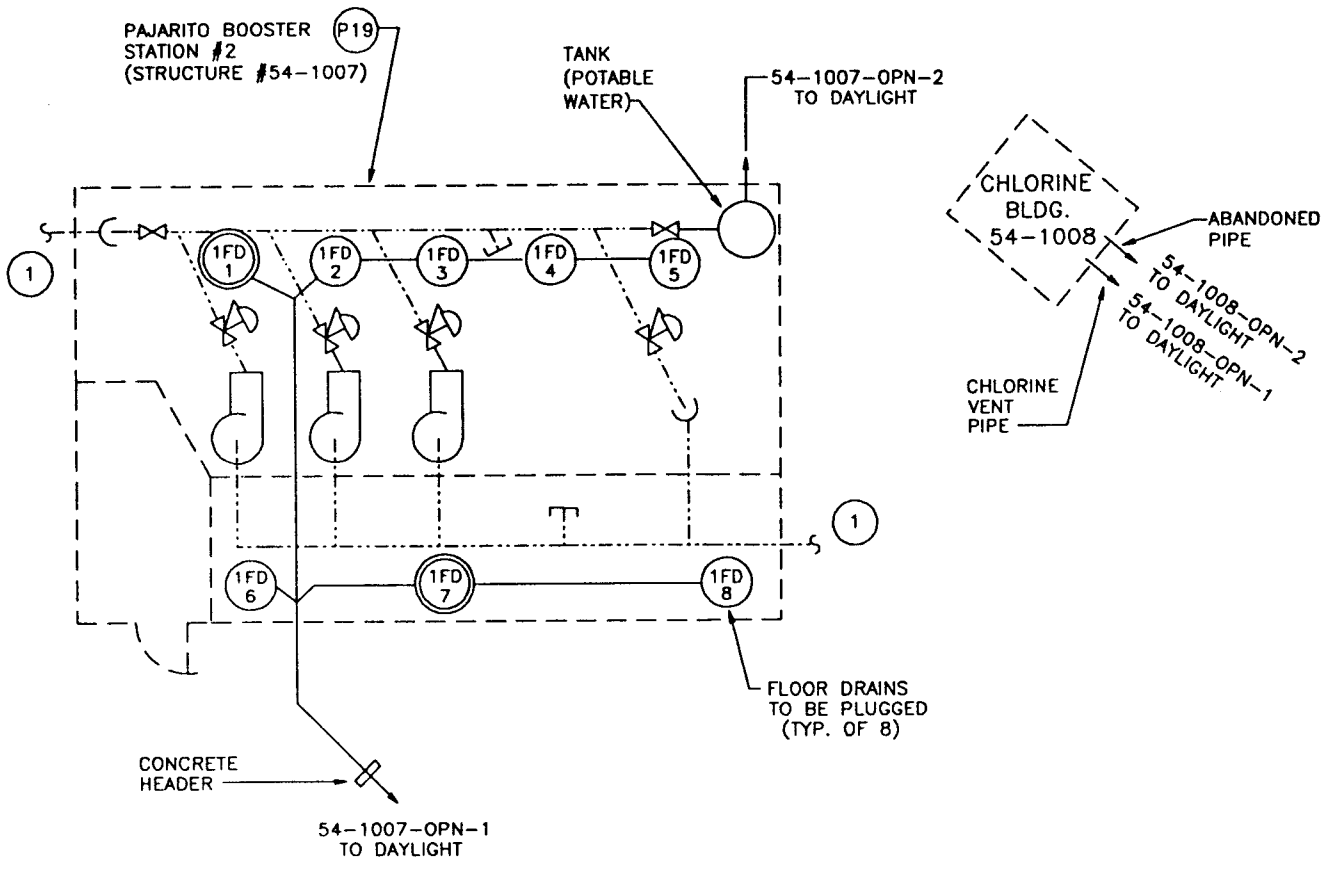
CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 25 | REV.

REQUESTING GROUP EM-8

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION



LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
P19	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
— — —	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·-·-·-·	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

PAJARITO BOOSTER STATION #2

– NOT TO SCALE –

SANTA FE ENGINEERING, LTD.

PAJARITO
BOOSTER STATION #2
DRAIN SCHEMATIC

TA-54 STRUCT. 1007

DRAWN	G.S.
DESIGN	G.S.
CHECKED	S.C.D.
DATE	3-7-94

SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 26 | REV.

REQUESTING GROUP EM-8

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P14	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
– – – – –	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
----------	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

T6 COMMUNITY TANK (STRUCT. #1295)

(00–1295)

TANK OVERFLOW TO DAYLIGHT

CONCRETE HEADER

00–1295–OPN–1

P14 COMMUNITY TANK PUMP HOUSE (STRUCT. #0–1080)

0–1080–OPN–2 TO DAYLIGHT

1–1080–OPN–4 FLOOR LEVEL DRAIN PIPE

1–1080–OPN–3 FLOOR LEVEL DRAIN PIPE

0–1080–OPN–1 FLOOR LEVEL DRAIN PIPE TO DAYLIGHT

0–1110–OPN–2 CHLORINE VENT

CHLORINE ROOM

0–1110–OPN–3

ABANDONED PIPES TO DAYLIGHT

0–1110–OPN–4

0–1110–OPN–1

UNABLE TO LOCATE END OF PIPE

COMMUNITY PUMP HOUSE

(00–1293)

00–1293–OPN–1

T6 TWIN TANKS (STRUCT. #0–1293 & 1294)

SUMP LOCATED IN BASEMENT

(00–1294)

P13 SOUTH SITE PUMP STATION (STRUCT. #0–1110)

SOUTH SITE PUMP STATION

2' DIA. BLIND FLANGE TANK INSPECTION PLATE (TYP).

00–1294–OPN–1

TWIN TANK OVERFLOW W/CONC. HEADER TO DAYLIGHT

FLOOR DRAIN TO BE PLUGGED

P15 S–SITE BOOSTER #1 (STRUCT. #0–1111)

0–1111–OPN–1 END OF PIPE (APPROX. 50 YDS.) FROM BUILDING TO DAYLIGHT

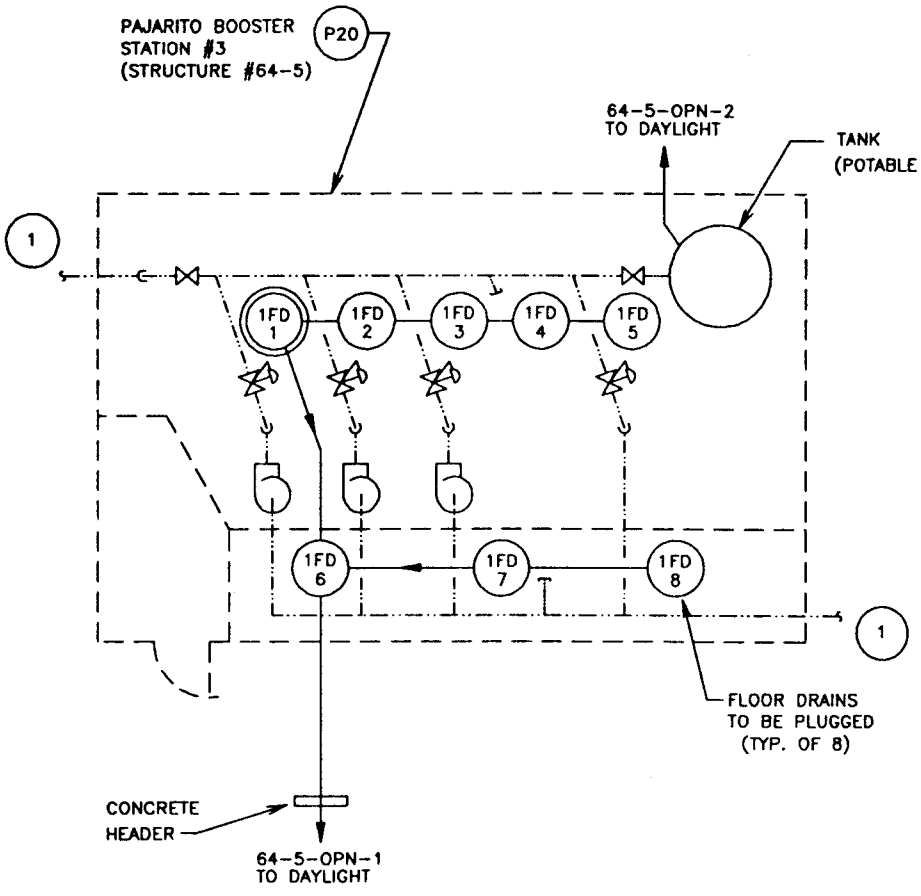
S–SITE BOOSTER #1

COMMUNITY PUMP HOUSE
S–SITE PUMP STA.
SOUTH SITE PUMP STA.

– NOT TO SCALE –

15366-A

SANTA FE ENGINEERING, LTD.			
COMMUNITY PUMP HOUSE S–SITE PUMP STA. SOUTH SITE PUMP STA. DRAIN SCHEMATIC		DRAWN	G.S.
		DESIGN	J.A.S.
		CHECKED	S.C.D.
TA–0	STRUCTS 1080, 1110 & 1111	DATE	6–2–93
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	11056–66	FIGURE 23	



PAJARITO BOOSTER STATION #3

- NOT TO SCALE -

NOTES:

1) LETTER CONVENTION IN CIRCLE DESIGNATES DRAIN TYPE, PRECEDED BY FLOOR DESIGNATION (1 – FIRST FLOOR), FOLLOWED BY DRAIN NUMBER.

2) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION.

LEGEND:

FD	FLOOR DRAIN
	PUMP
	PRESSURE REGULATING VALVE
P20	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	DYE TESTED DRAIN
– – – –	EXISTING FLOOR PLAN
———	EXISTING DRAIN PIPING
·—·—·	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

PAJARITO BOOSTER STATION #3 DRAIN SCHEMATIC

DRAWN	J.A.S.
DESIGN	J.A.S.
CHECKED	S.C.D.
DATE	3-7-94

TA-64 STRUCT. 5

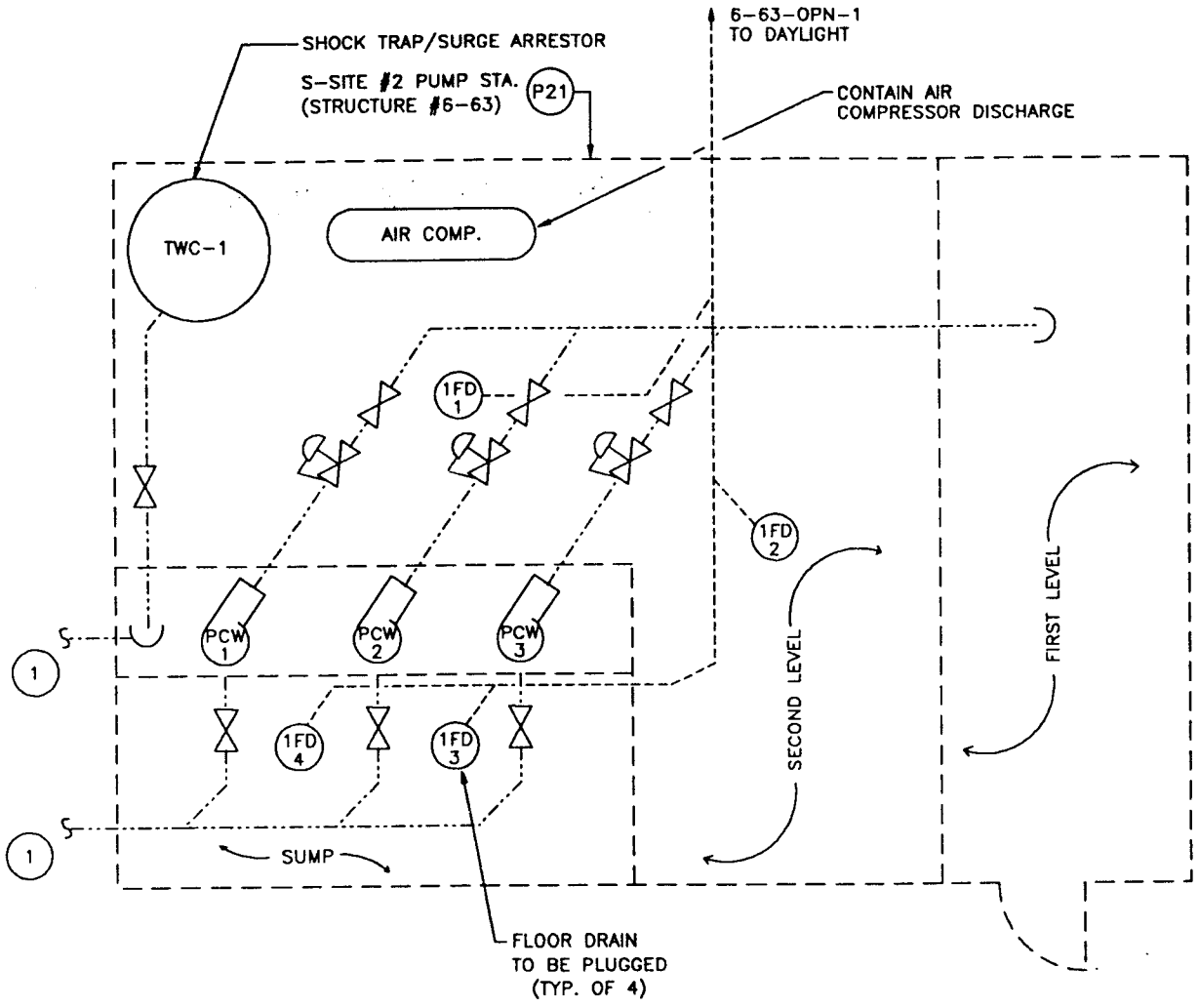
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 27	



S-SITE #2 PUMP STA. (6-63)

- NOT TO SCALE -

N

NOTES:

1) THIS PIPING LAYOUT IS BASED UPON SITE INSPECTION

LEGEND

FD	FLOOR DRAIN
	PUMP
	VACUUM BREAKER
	PRESSURE REGULATING VALVE
P4	REFER TO FIGURE 1 FOR AREA LOCATION
1FD 1	FLOOR DRAIN
	EXISTING FLOOR PLAN
	EXISTING DRAIN PIPING
	POTABLE WATER SUPPLY
1	WELL WATER SUPPLY LINE

SANTA FE ENGINEERING, LTD.

S-SITE #2 PUMP STA.
DRAIN SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-8 STRUCT. 63

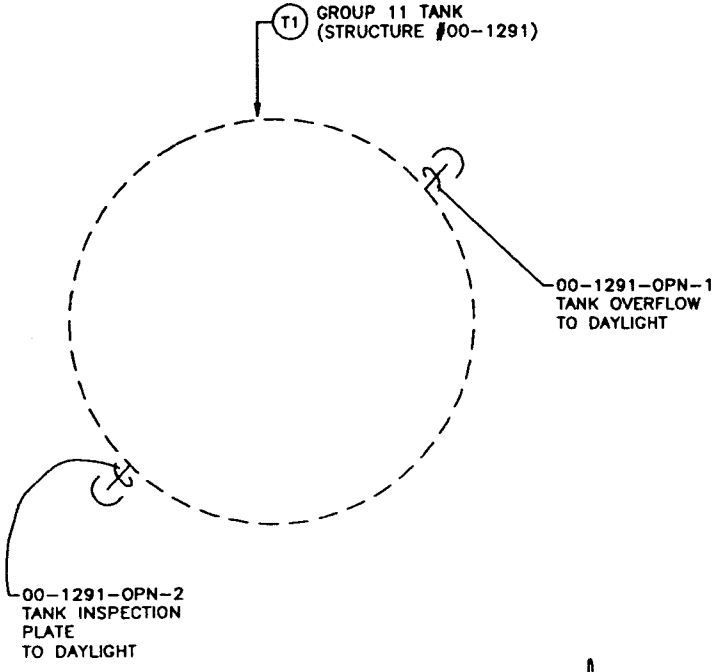
SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

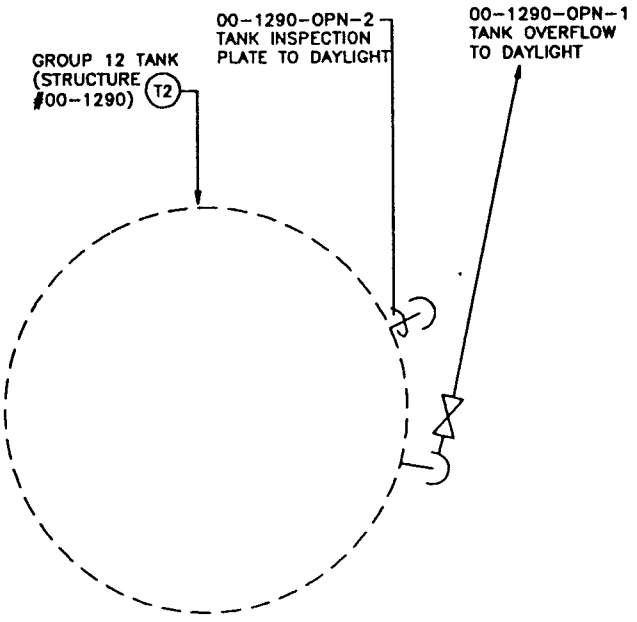
CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-79	FIGURE 28	



GROUP 11 TANK (00-1291)

- NOT TO SCALE -



GROUP 12 TANK (00-1290)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

GROUP 11 & 12
TANK
SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1290 1291

SUBMITTED | RECOMMENDED | APPROVED

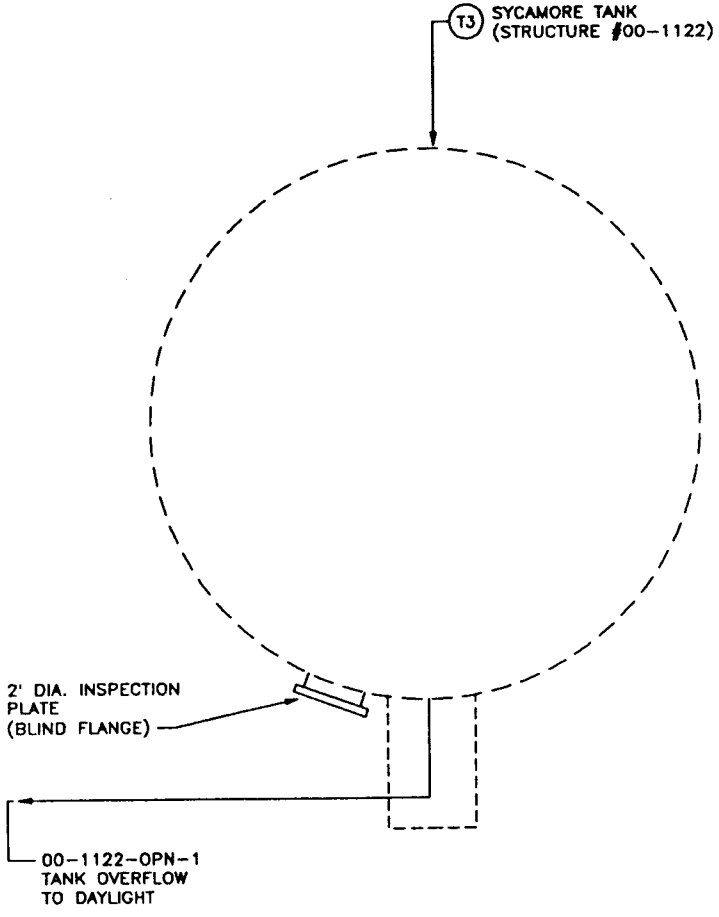
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 29 | REV.

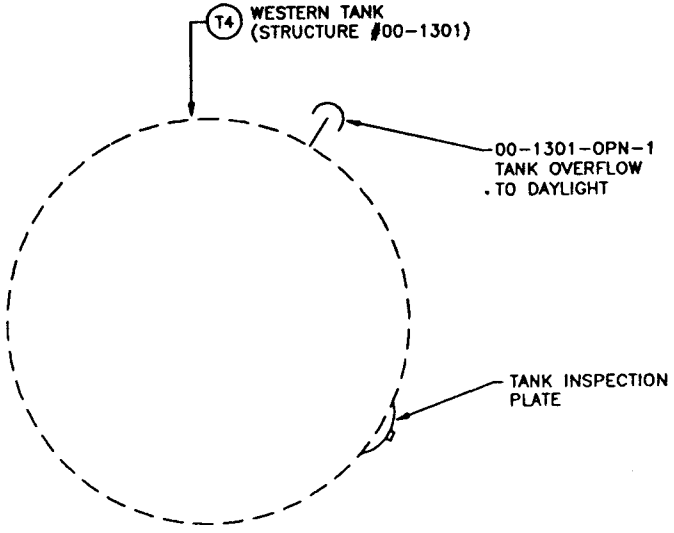
REQUESTING GROUP EM-8



SYCAMORE TANK (00-1122)

- NOT TO SCALE -

N



WESTERN TANK (00-1301)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

SYCAMORE & WESTERN TANK SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1122 1301

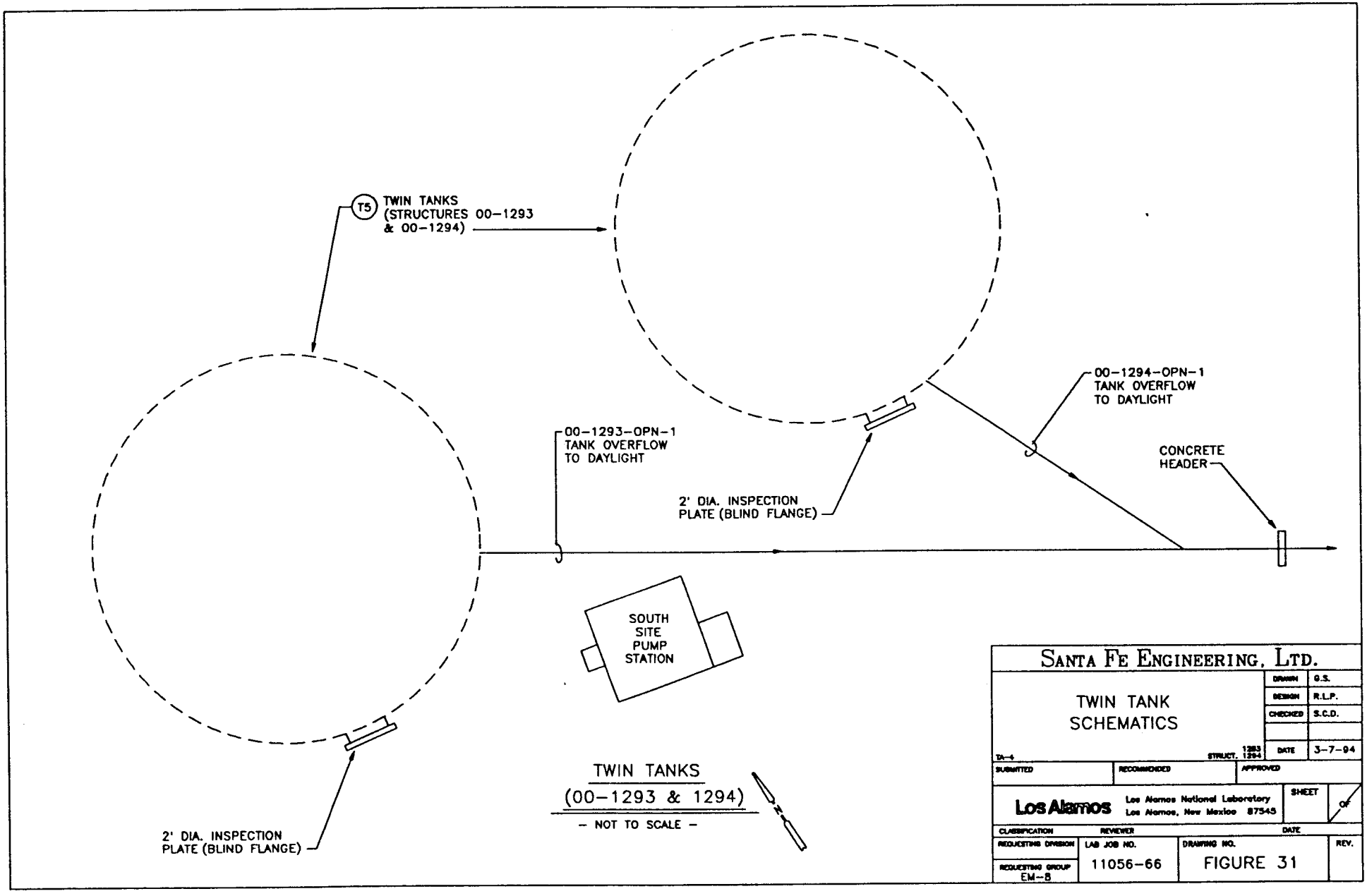
SUBMITTED | RECOMMENDED | APPROVED

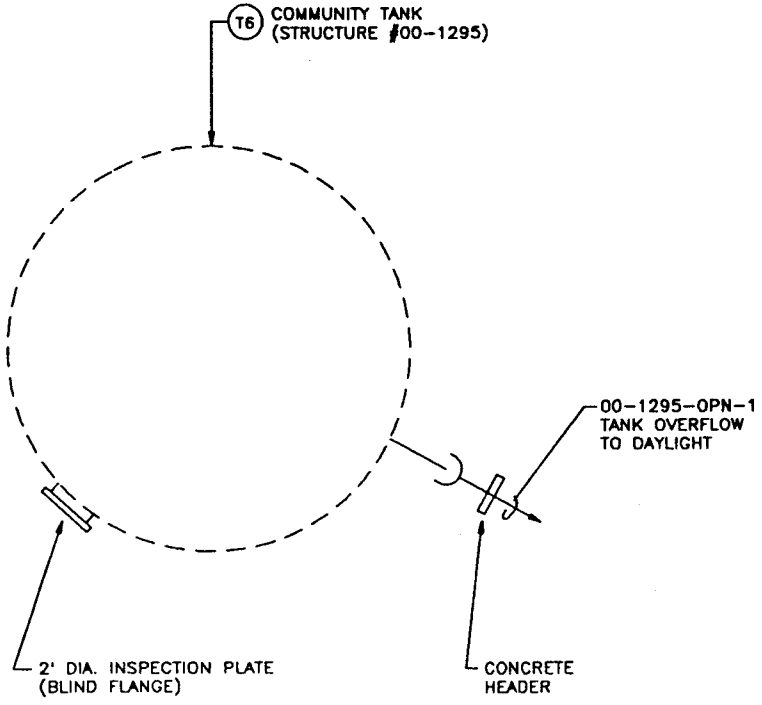
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-66	FIGURE 30	


T5
TWIN TANKS
(STRUCTURES 00-1293
& 00-1294)
00-1294-OPN-1
TANK OVERFLOW
TO DAYLIGHT
CONCRETE
HEADER
00-1293-OPN-1
TANK OVERFLOW
TO DAYLIGHT
2' DIA. INSPECTION
PLATE (BLIND FLANGE)
SOUTH
SITE
PUMP
STATION
2' DIA. INSPECTION
PLATE (BLIND FLANGE)
TWIN TANKS
(00-1293 & 1294)
- NOT TO SCALE -
N
SANTA FE ENGINEERING, LTD.
TWIN TANK
SCHEMATICS
DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
DATE 3-7-94
STRUCT. 1293 1294
SUBMITTED
RECOMMENDED
APPROVED
Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545
SHEET
OF
CLASSIFICATION
REVIEWER
DATE
REQUESTING DIVISION
REQUESTING GROUP
EM-8
LAB JOB NO.
11056-66
DRAWING NO.
FIGURE 31
REV.



COMMUNITY TANK (00-1295)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

COMMUNITY TANK
SCHEMATIC

TA-6 STRUCT. 1295

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

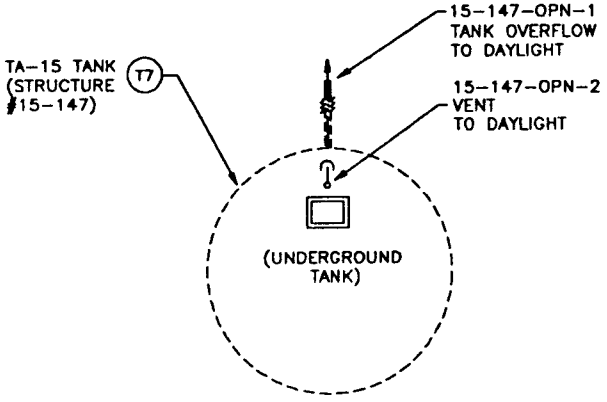
SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET ___ OF ___

CLASSIFICATION | REVIEWER | DATE

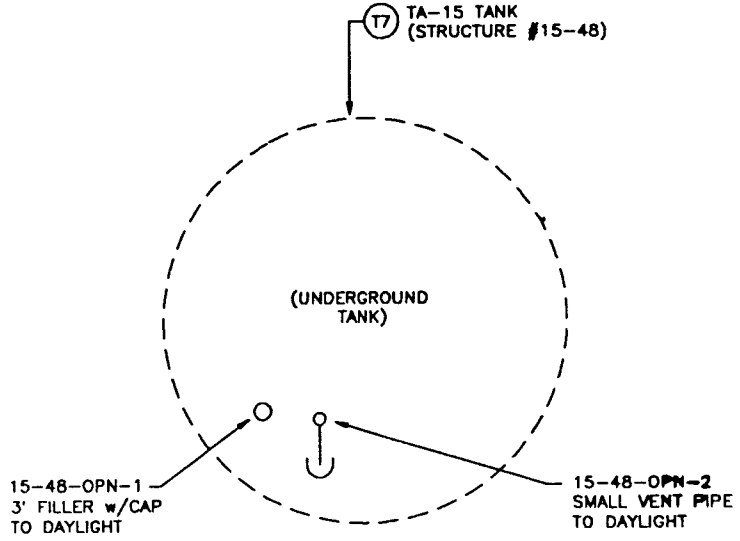
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-6	11056-66	FIGURE 32	



TA-15 TANK (15-147)

- NOT TO SCALE -

N



TA-15 TANK (15-48)

- NOT TO SCALE -

N

NOTE:
COULD NOT FIND DRAIN OR OVERFLOW.

SANTA FE ENGINEERING, LTD.

TA-15 TANK
SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

DESIGN STRUCT. 48 147

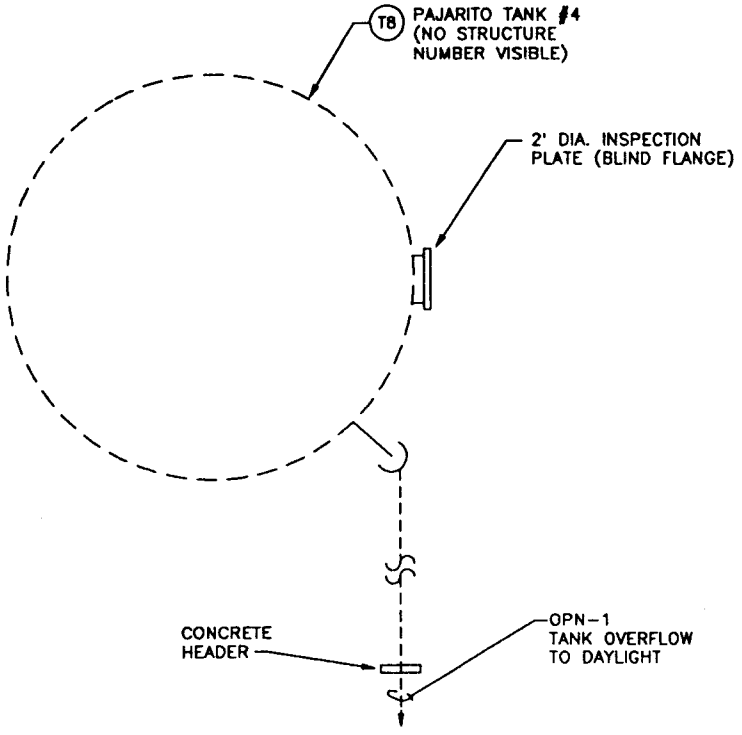
SUBMITTED | RECOMMENDED | APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

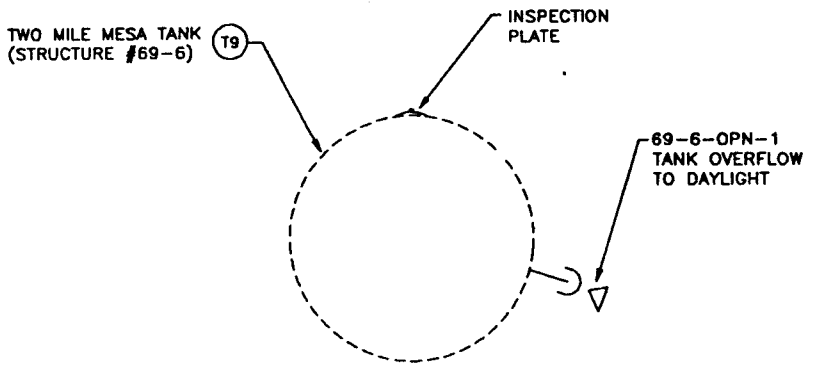
CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-66	FIGURE 33	



PAJARITO TANK #4

- NOT TO SCALE -



TWO MILE MESA TANK (69-6)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

PAJARITO TANK #4 & TWO MILE MESA TANK SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-69 STRUCT. 6

SUBMITTED | RECOMMENDED | APPROVED

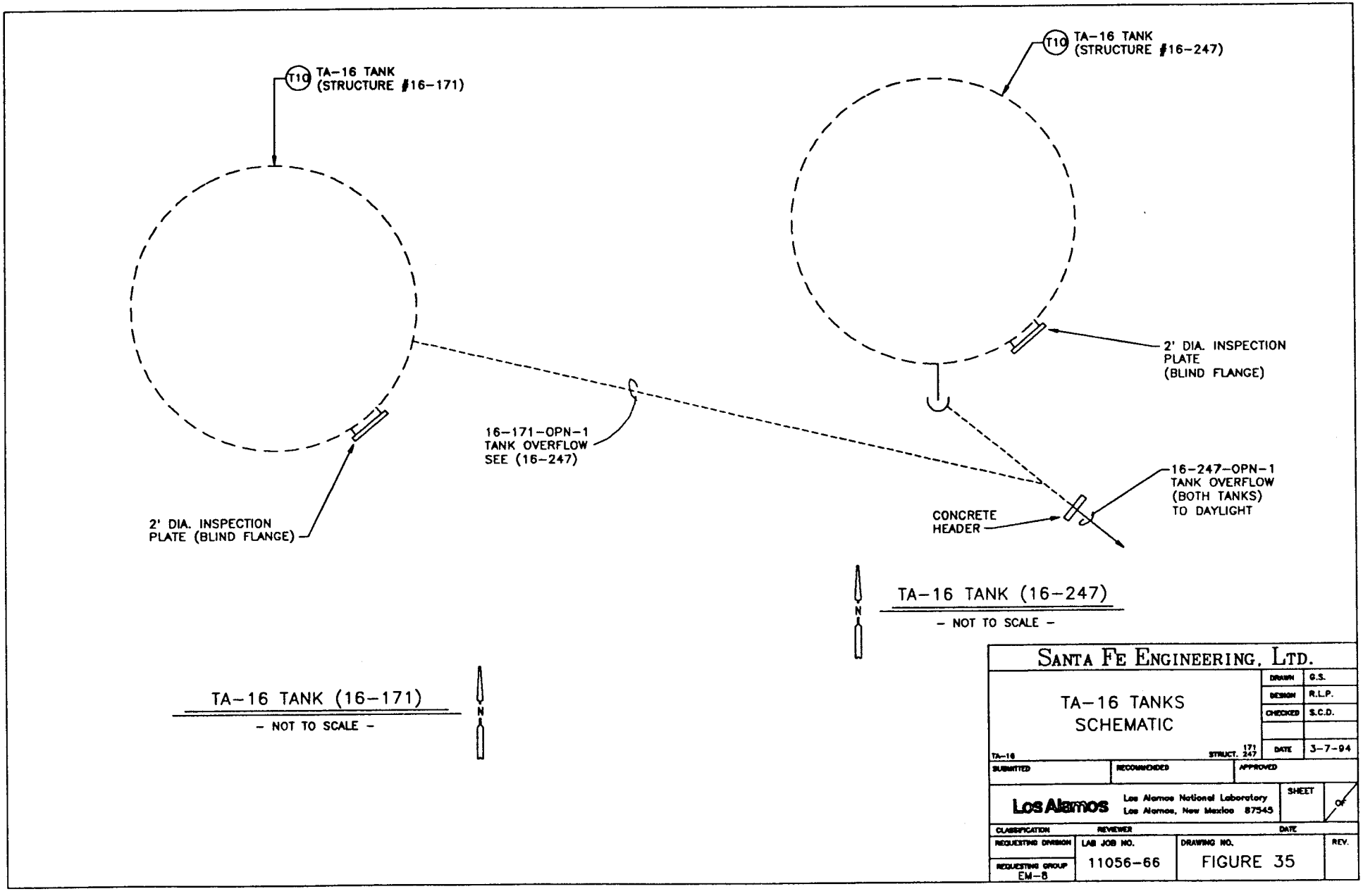
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 34 | REV.

REQUESTING GROUP EM-8



SANTA FE ENGINEERING, LTD.

TA-16 TANKS SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-16 STRUCT. 171 247

SUBMITTED | RECOMMENDED | APPROVED

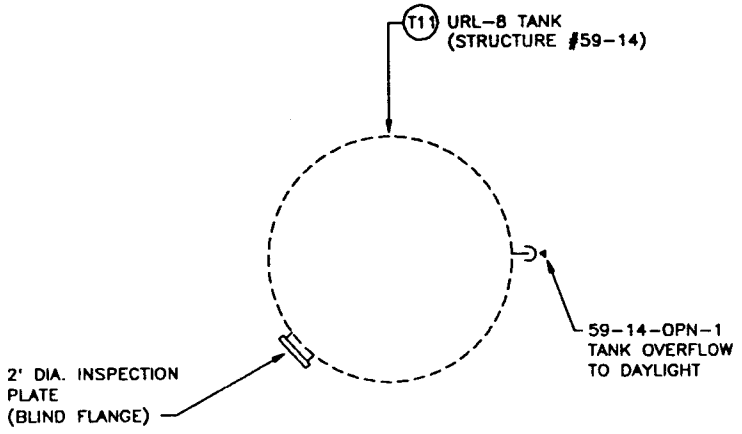
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 35 | REV.

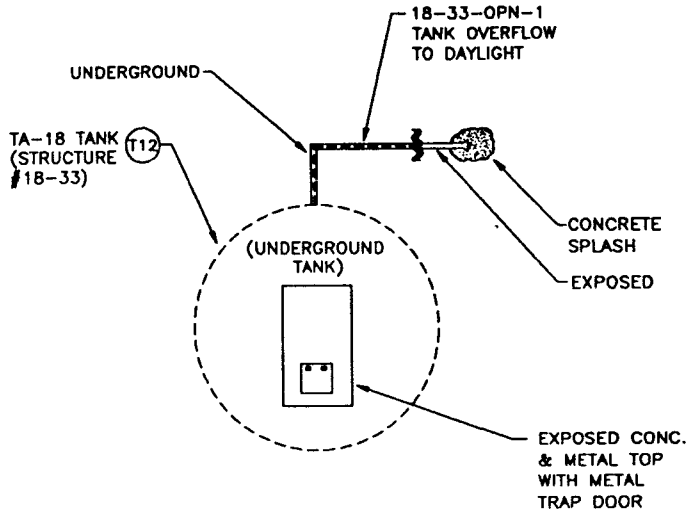
REQUESTING GROUP EM-8



URL-8 TANK (59-14)

- NOT TO SCALE -

N



TA-18 TANK (18-33)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

URL-8 & TA-18 TANK SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-18 & 58 STRUCT. 11 14

SUBMITTED | RECOMMENDED | APPROVED

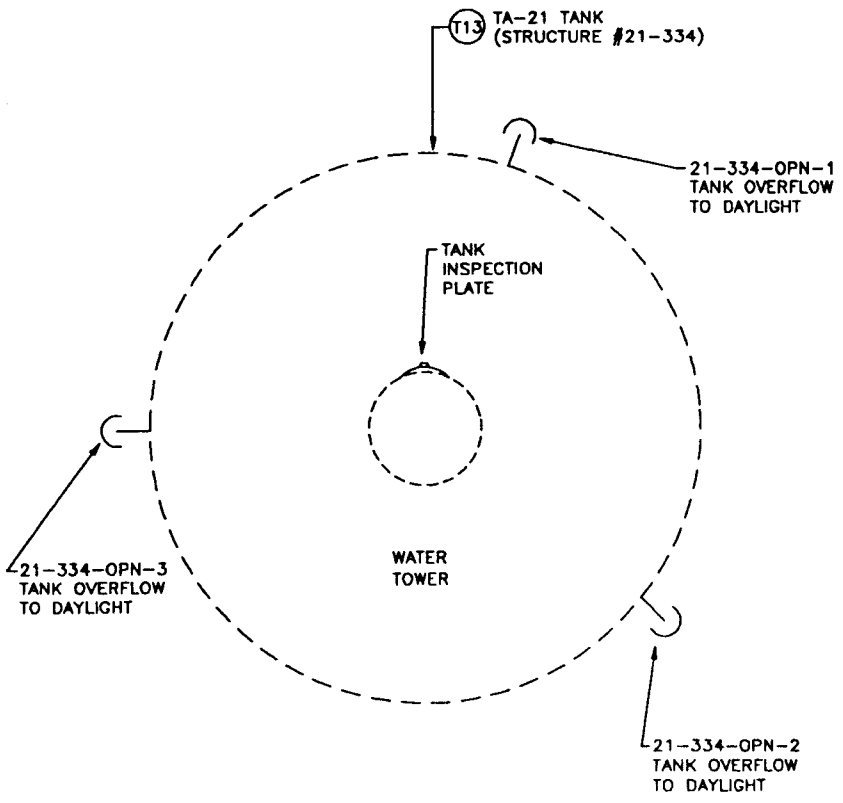
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 36 | REV.

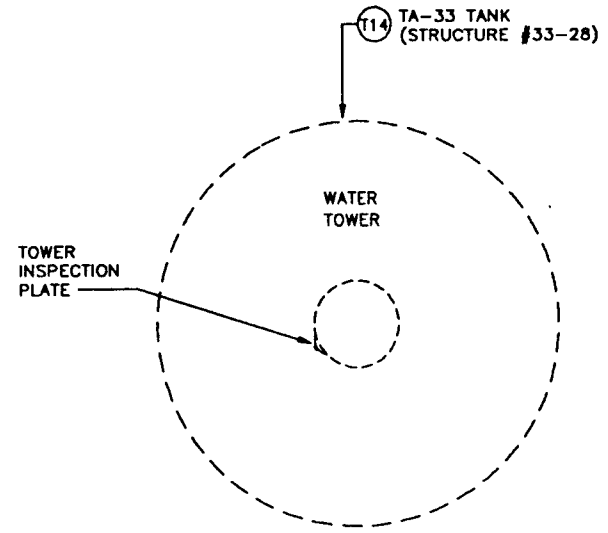
REQUESTING GROUP EM-8



TA-21 TANK (21-334)

- NOT TO SCALE -

N



(COULD NOT FIND TANK OVERFLOW
-APPARENTLY ON TOP)

TA-33 TANK (33-28)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

TA-21 & TA-33 TANK SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-21 & 33 STRUCT. 334 28

SUBMITTED | RECOMMENDED | APPROVED

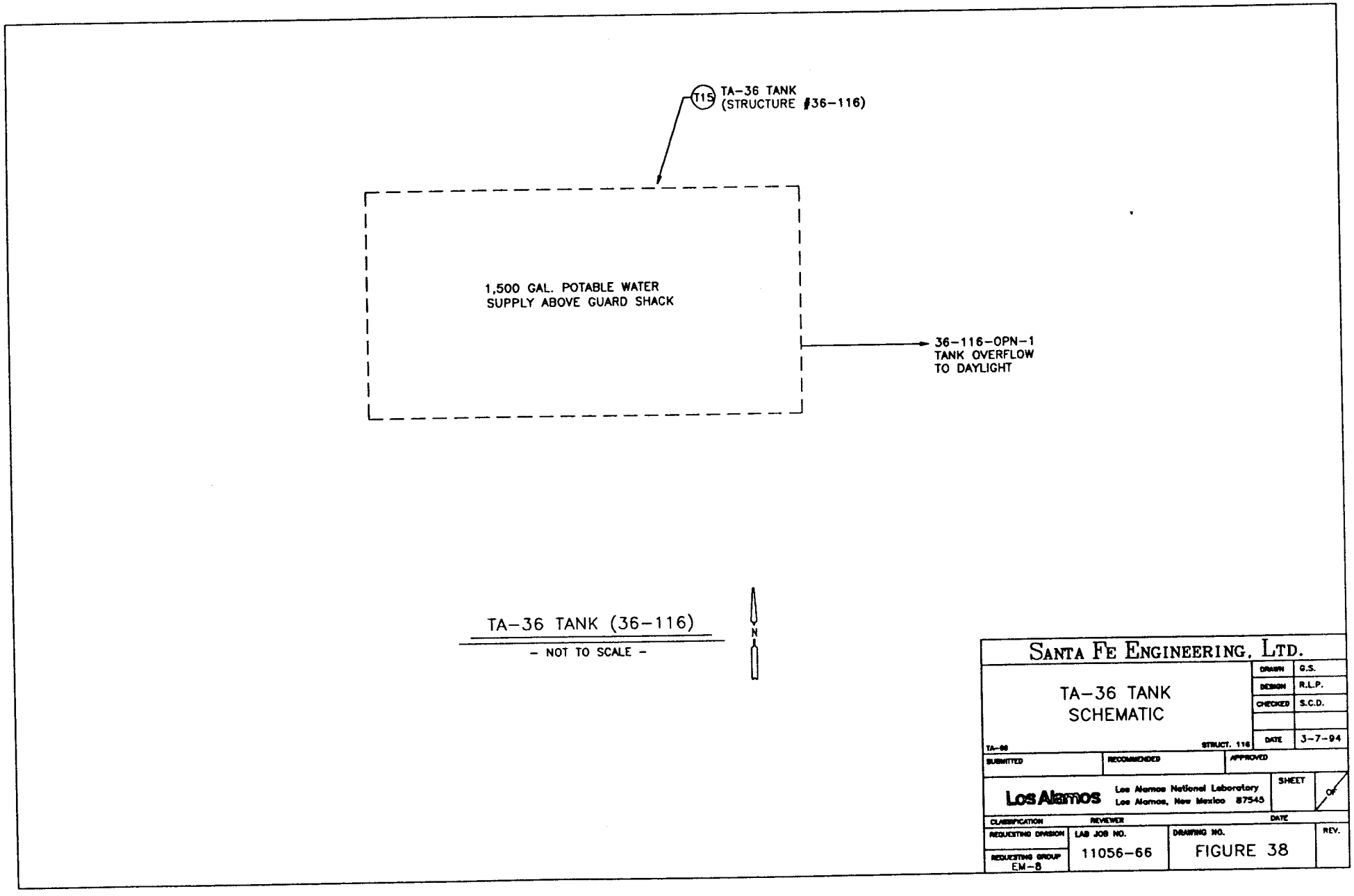
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 37 | REV.

REQUESTING GROUP EM-8



TA-36 TANK (36-116)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

TA-36 TANK
SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-36 STRUCT. 116

SUBMITTED | RECOMMENDED | APPROVED

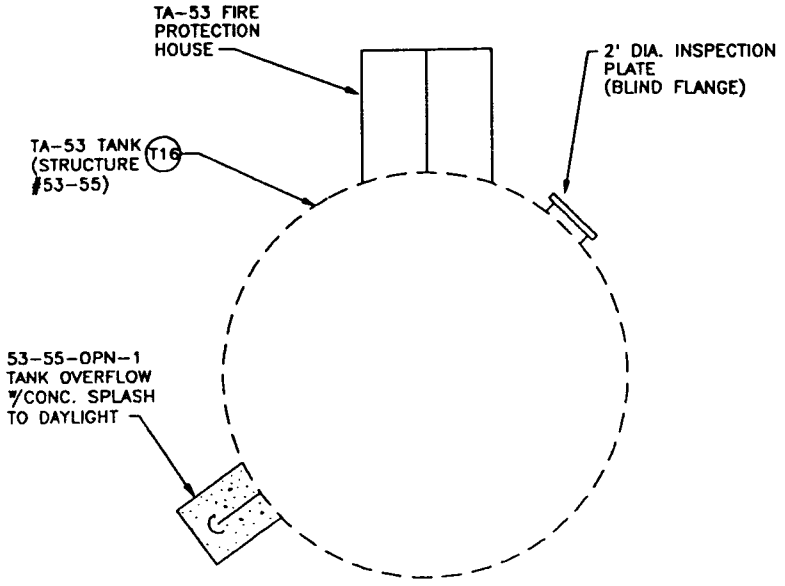
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

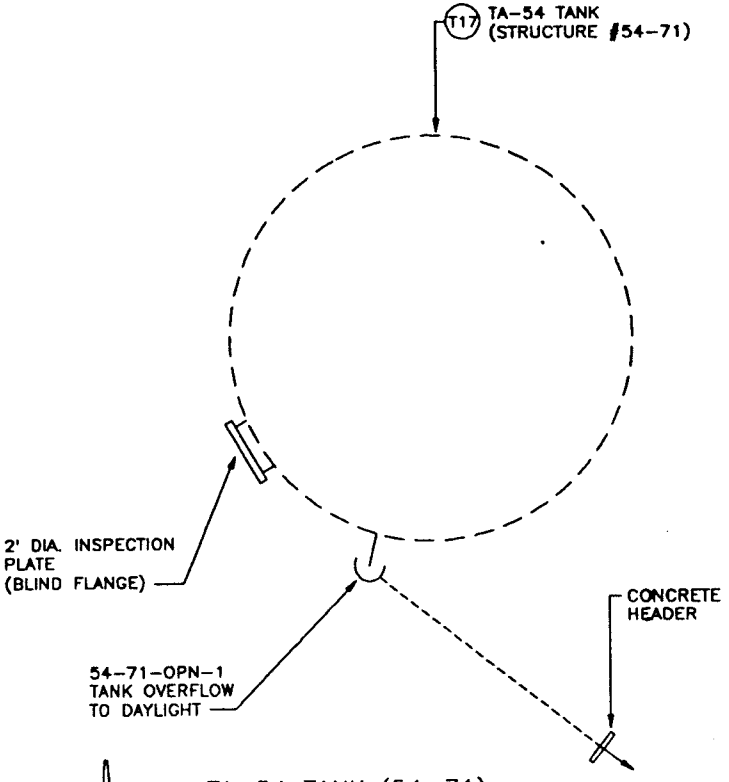
REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 38 | REV.

REQUESTING GROUP EM-8



TA-53 TANK (53-55)

- NOT TO SCALE -



TA-54 TANK (54-71)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

TA-53 & TA-54 TANK SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-53 & 54 STRUCT. 71

SUBMITTED | RECOMMENDED | APPROVED

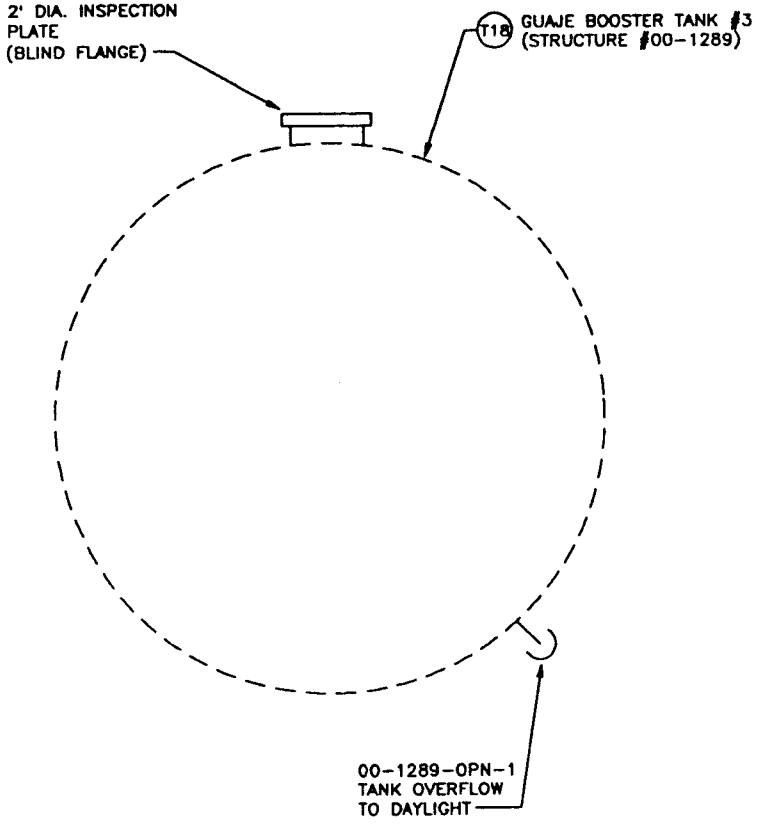
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

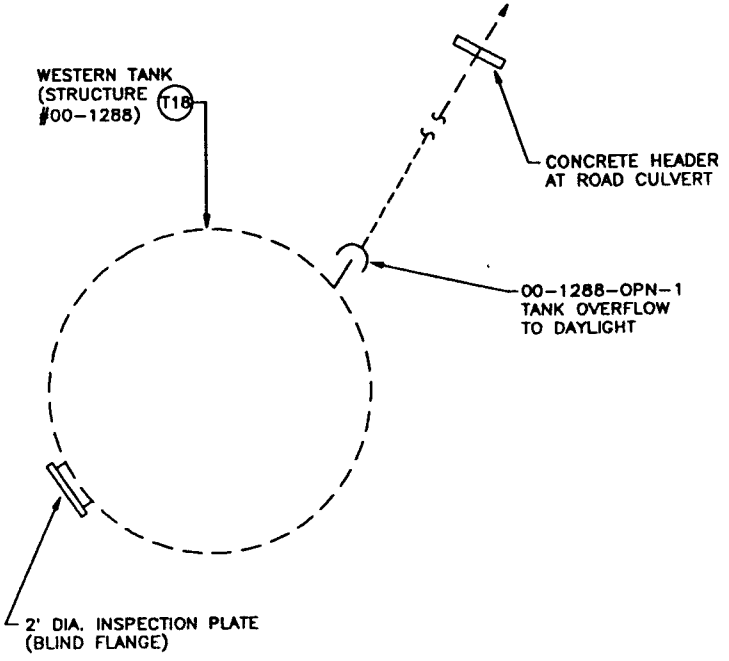
REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 39 | REV.

REQUESTING GROUP EM-8



GUAJE BOOSTER TANK #3 (00-1289)

- NOT TO SCALE -



GUAJE BOOSTER TANK #3 (00-1288)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER TANK #3
SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1288 1289

SUBMITTED | RECOMMENDED | APPROVED

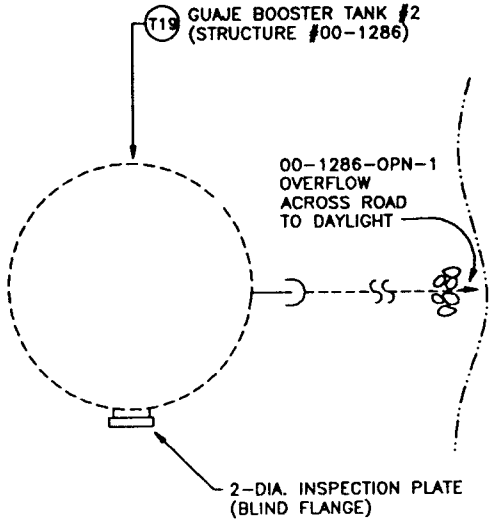
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 40 | REV.

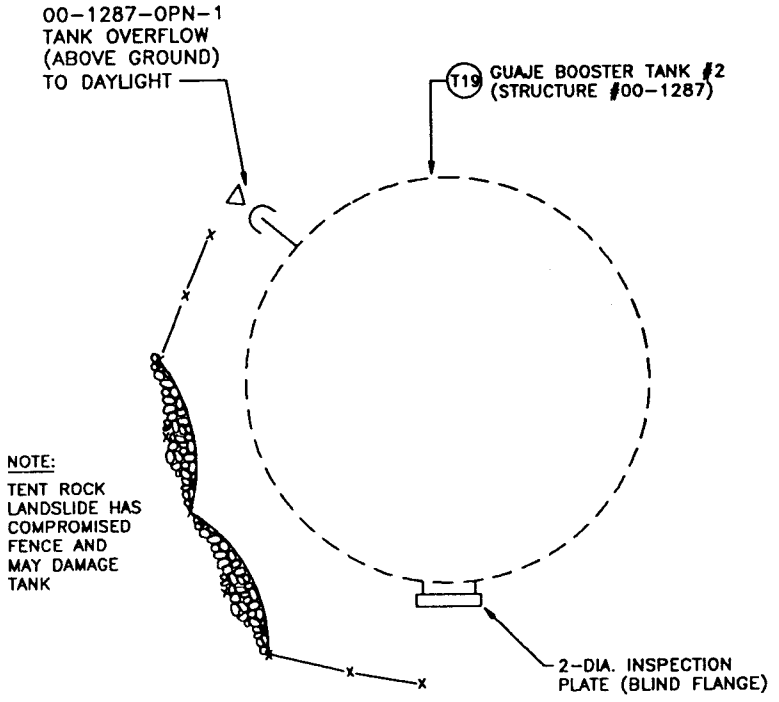
REQUESTING GROUP EM-8



GUAJE BOOSTER TANK
#2 (00-1286)

- NOT TO SCALE -

N



GUAJE BOOSTER TANK
#2 (00-1287)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER TANK #2
SCHEMATICS

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1286 1287

SUBMITTED | RECOMMENDED | APPROVED

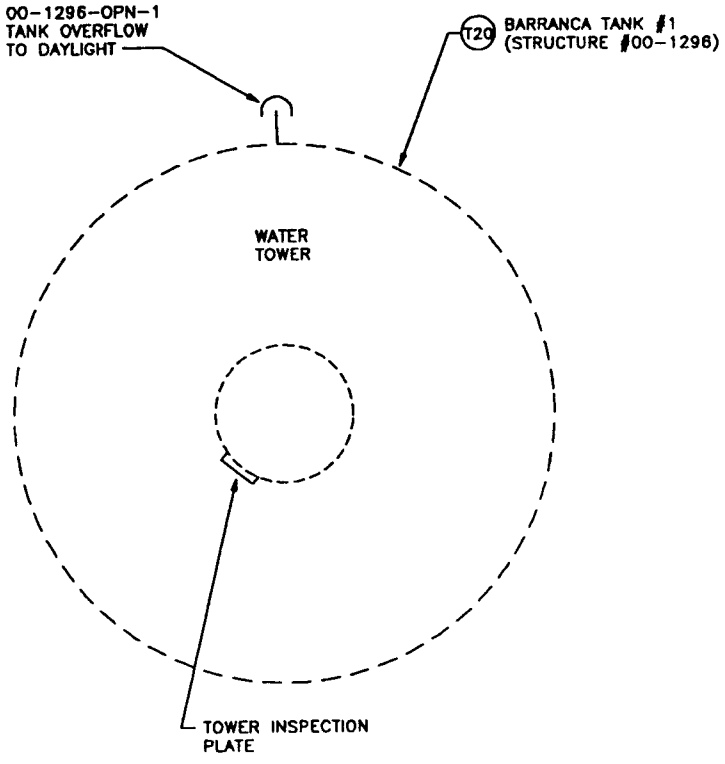
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET | OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 41 | REV.

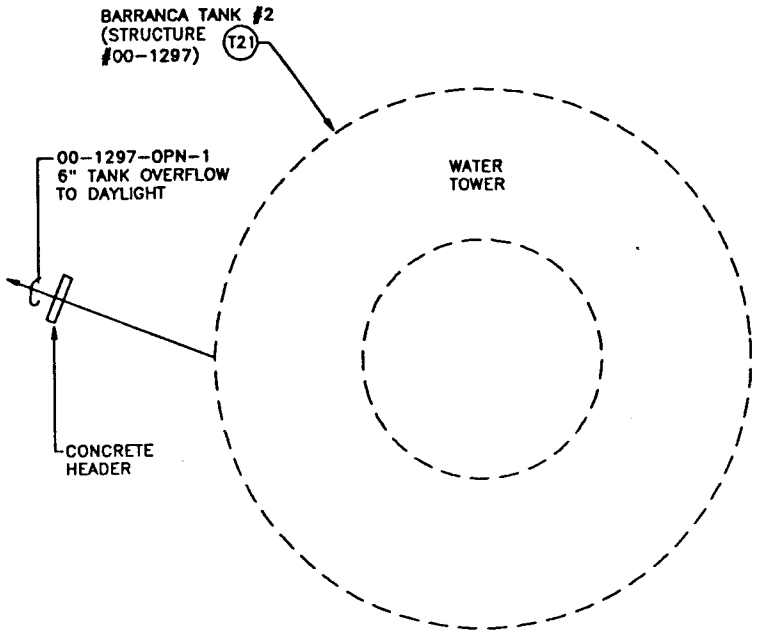
REQUESTING GROUP EM-8



BARRANCA TANK #1
(00-1296)

- NOT TO SCALE -

N



N

BARRANCA TANK #2
(00-1297)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

BARRANCA TANK #1 &
BARRANCA TANK #2
SCHEMATICS

TA-0 STRUCT. 1296 1297

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

SUBMITTED | RECOMMENDED | APPROVED

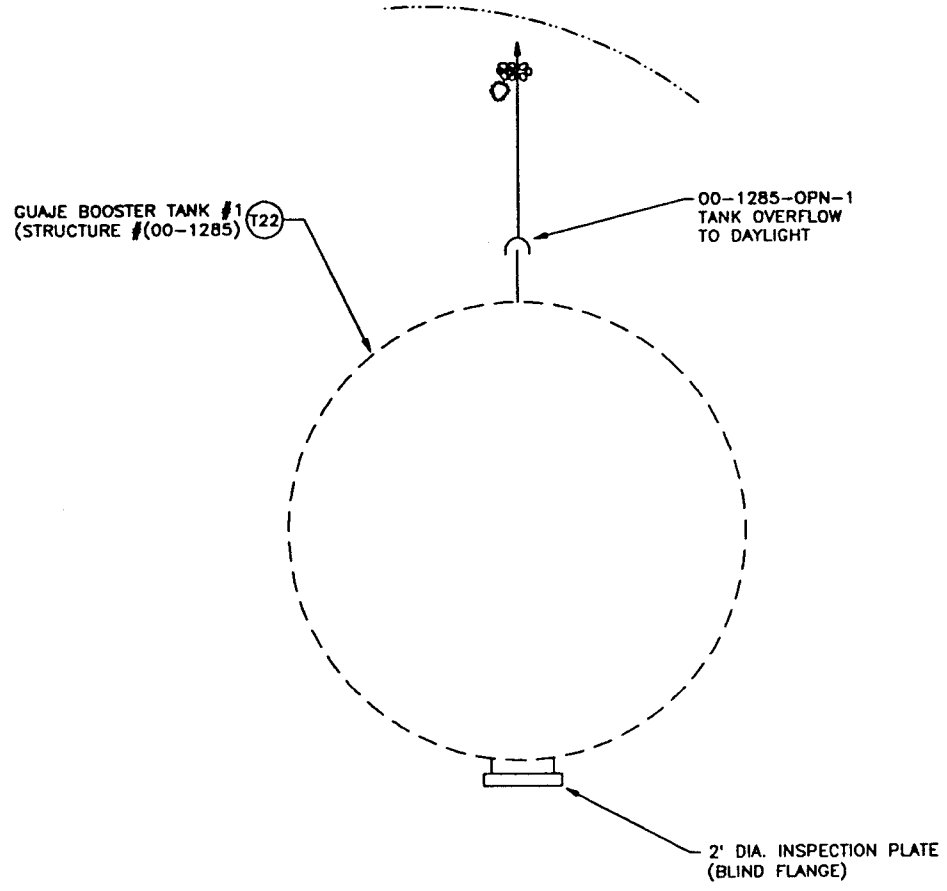
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET ___ OF ___

CLASSIFICATION | REVISION | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 42 | REV.

REQUESTING GROUP EM-6



GUAJE BOOSTER TANK #1
(00-1285)

– NOT TO SCALE –

N

SANTA FE ENGINEERING, LTD.

GUAJE BOOSTER TANK #1
SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-0 STRUCT. 1285

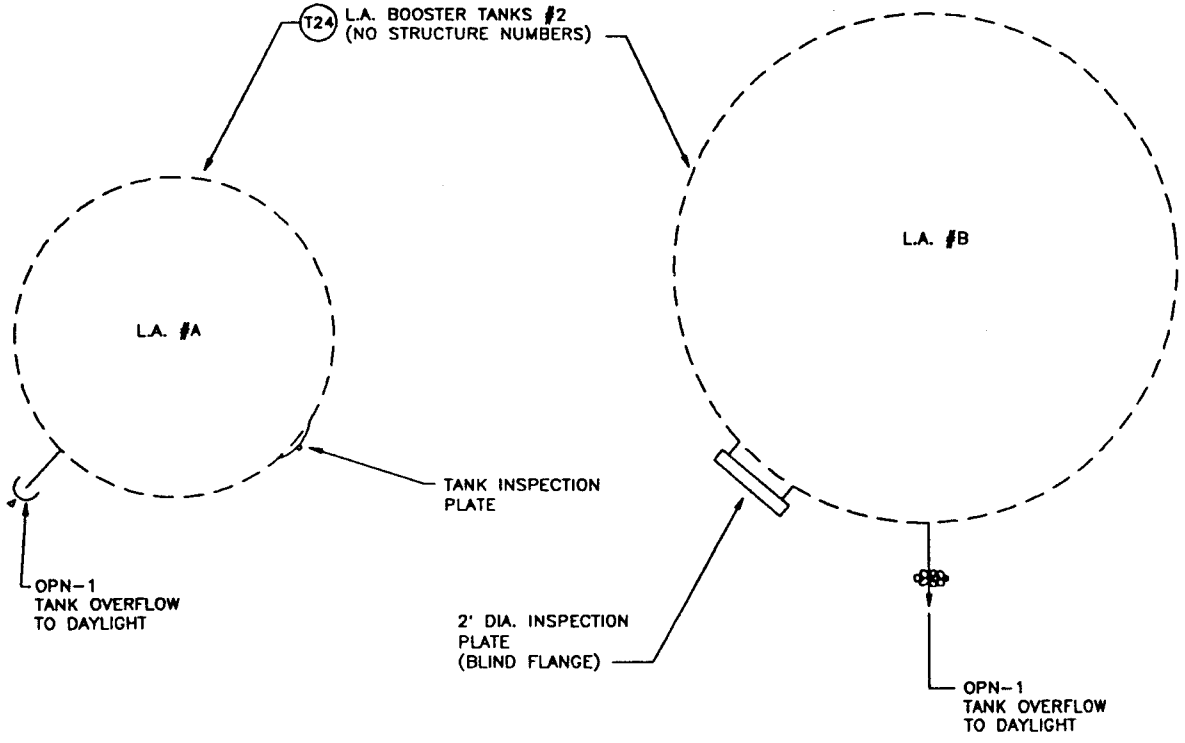
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 43	



L.A. BOOSTER TANKS #4

– NOT TO SCALE –

N

SANTA FE ENGINEERING, LTD.

L.A. BOOSTER TANK #2
SCHEMATICS

DRAWN G.S.
DESIGN R.L.P.
CHECKED S.C.D.
DATE 3-7-94

TA-0 STRUCT. NONE

SUBMITTED | RECOMMENDED | APPROVED

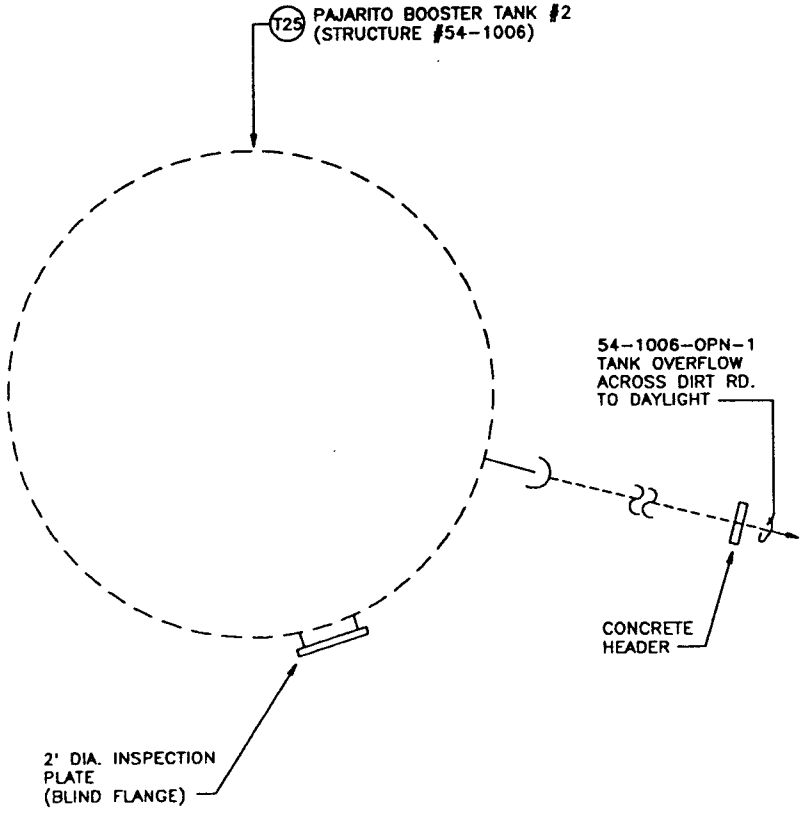
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. 11056-66 | DRAWING NO. FIGURE 44 | REV.

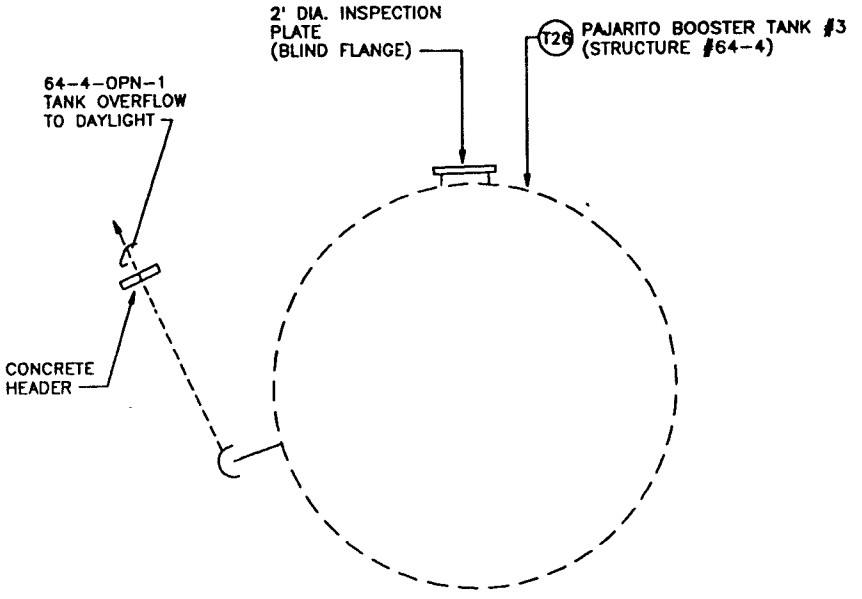
REQUESTING GROUP EM-8



PAJARITO BOOSTER TANK
#2 (54-1006)

- NOT TO SCALE -

N



PAJARITO BOOSTER TANK
#3 (64-4)

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

PAJARITO BOOSTER TANK
#2 & #3
SCHEMATICS

TA-64 & 84 STRUCT. 1008 4

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

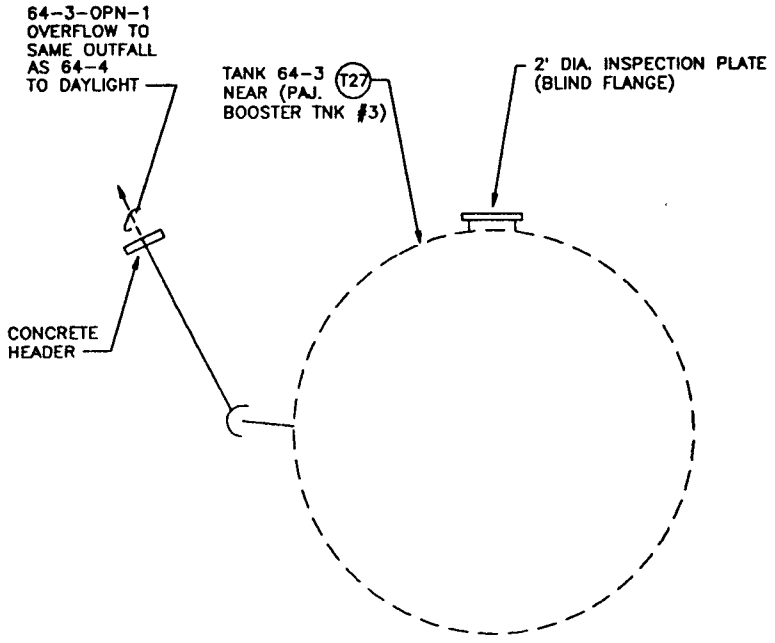
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 45	



TANK 64-3

- NOT TO SCALE -

N

SANTA FE ENGINEERING, LTD.

TANK 64-3
SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-64 STRUCT. 3

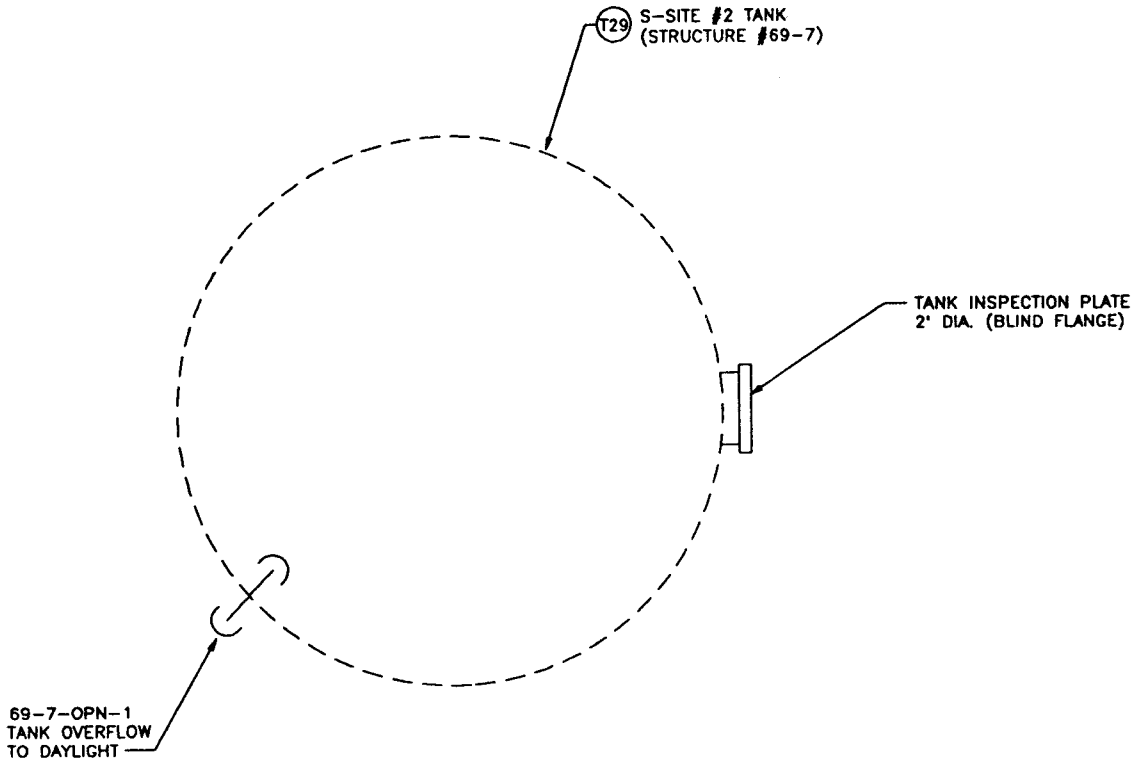
SUBMITTED | RECOMMENDED | APPROVED

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	11056-66	FIGURE 46	



S-SITE #2 TANK (69-7)

- NOT TO SCALE -

SANTA FE ENGINEERING, LTD.

S-SITE #2 TANK
SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-59 STRUCT. 7

SUBMITTED | RECOMMENDED | APPROVED

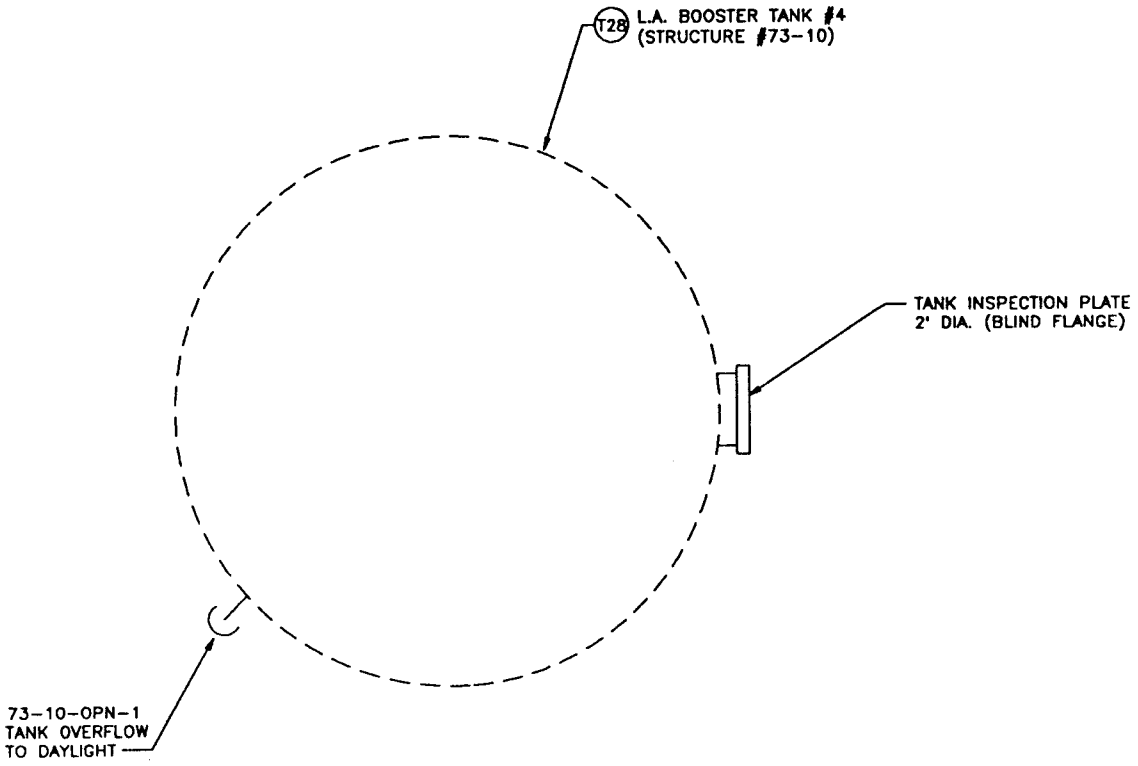
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545

SHEET OF

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION | LAB JOB NO. | DRAWING NO. | REV.

REQUESTING GROUP EM-8 | 11056-66 | FIGURE 47



L.A. BOOSTER TANK #4 (73-10)

– NOT TO SCALE –

SANTA FE ENGINEERING, LTD.

L.A. BOOSTER TANK #4
SCHEMATIC

DRAWN	G.S.
DESIGN	R.L.P.
CHECKED	S.C.D.
DATE	3-7-94

TA-73 STRUCT. 10

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 | 11056-66 | FIGURE 48