WASTEWATER STREAM CHARACTERIZATION FOR TA-9

at
Los Alamos National Laboratory

ENVIRONMENTAL STUDY

CHARACTERIZATION REPORT # 25

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

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WASTEWATER STREAM CHARACTERIZATION FOR TA-9

ENVIRONMENTAL STUDY

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

under subcontract 9-XG8-2874P-1

by:
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EXECUTIVE SUMMARY

All buildings in TA-9 were visited to document all drain piping and to make permitting recommendations. The pipes exiting the buildings are as follows:

1) from 9-21: two sanitary sewer connections, two industrial discharges to permitted outfall 05A066, two storm water outfalls (05A066) and one fire water system drains,

2) from 9-28: one sanitary sewer connection, six storm water discharges to permitted outfall 05A066, and two steam pressure relief vents,

3) from 9-29: one sanitary sewer connection, eight storm water discharges to permitted outfall 05A066, two fire water system drains, one steam vent and one steam pressure relief vent,

4) from 9-31: two capped trench drain pipes through the building wall;

5) from 9-32: one sanitary sewer connection, four industrial discharges to permitted outfall 05A066, six storm water, four steam pressure relief vents and one vacuum tank discharge,

6) from 9-33: one sanitary sewer connection, two industrial discharges and two storm water discharges to permitted outfall 05A066, three steam pressure relief vents and one cooling tower blowdown discharge outside the building which requires an EPA 2D Form;

7) from 9-34: one sanitary sewer connection, three industrial discharges and five storm water discharges to permitted outfall 05A067, and four steam pressure relief vents;

8) from 9-35: one sanitary sewer connection, three industrial discharges and four storm water discharges to permitted outfall 05A067, one cooling unit condensate drain, four steam pressure relief vents, one steam condensate drain and one oven flue,

9) from 9-37: one sanitary sewer connection, two industrial discharges and five storm water discharges to permitted outfall 05A067, two steam vents, one steam condensate vent, one air compressor discharge and one hood vent,

10) from 9-38: one sanitary sewer connection, two industrial discharges and five storm water discharges to permitted outfall 05A067, three steam vents, one

steam condensate vent, one air compressor discharge and one steam hose connection,

11) from 9-40: seven industrial discharges to permitted outfall 05A066, and one steam pressure relief vent;

12) from 9-41: one sanitary sewer connection and two steam pressure relief vents;

13) from 9-42: one sanitary sewer connection, three industrial discharges and four storm water discharges to permitted outfall 05A067, three outfalls which are disconnected, two steam pressure relief vents, one steam condensate drain and one air compressor discharge,

14) from 9-43: one sanitary sewer connection, three industrial discharges and five storm water discharges to permitted outfall 05A067, three steam pressure relief vents, one air compressor discharge, one compressed air holding tank discharge and one oven flue,

15) from 9-45: one sanitary sewer connection, three industrial discharges and five storm water discharges to permitted outfall 05A067, two steam pressure relief vents, two water condensate vents, one fire system drain and one disconnected outfall pipe,

16) from 9-46: one sanitary sewer connection, three industrial discharges and five storm water discharges to permitted outfall 05A067, three steam pressure relief vents, one air compressor discharge and one disconnected outfall pipe,

17) from 9-48: two sanitary sewer connections, four industrial discharges and four storm water discharges to permitted outfall 05A068, three steam condensate drains, two steam pressure relief vents, two vacuum pump vents and one air compressor inlet,

18) from 9-50: one sanitary sewer connection, one industrial discharge to permitted outfall 04A155, two storm water outfalls and one disconnected outfall pipe,

19) from 9-51: one sanitary sewer connection, two storm water discharges, two steam pressure relief vents, one expansion tank vent, one boiler blowdown vent, one boiler vent and one gas bleed vent,

20) from 9-214: one steam pressure relief vent and one air compressor discharge.

The following buildings at TA-9 do not have outfalls:

1. 9-20	2. 9-22	3. 9-23	4. 9-24
5. 9-25	6. 9-26	7. 9-27	8. 9-30
9. 9-36	10. 9-39	11. 9-44	12. 9-47
13. 9-49	14. 9-52	15. 9-53	16. 9-54
17. 9-55	18. 9-204	19. 9-208	

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

Recommendations for repiping are provided to bring existing outfalls into permit compliance and to minimize permit maintenance requirements.

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

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1.0 INTRODUCTION

All of the buildings at TA-9 were toured between November 25 and 27, 1991, by Scott Carson and Steve Diamond of Santa Fe Engineering (SFE), with Lauren Abercrombie of Engineering and Information Resources (WX-12). A second site visit was conducted by Mr. Carson and Mr. Abercrombie on February 21 to verify recent septic tank discharge repiping. The purpose of this study is to identify building drain piping and to characterize the wastewater flows. The following tasks were performed for this purpose:

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

2. Wastewater sources were identified at each drain and the wastewater was characterized according to flow rate and quality. Potential pollutants were also noted;

3. Permit applications for discharges of clean water discharges were not prepared since these discharges do not require permitting at this time; and

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

The field investigation proceeded by verifying drain schematic drawings prepared by SFE for the appropriate buildings (Figures 1 through 21) at the Technical Area, based upon drawings provided by Los Alamos National Laboratory (LANL) Facilities Engineering Division. Buildings suspected not to have drains were investigated to insure that no drains exist for the buildings. Figure 1 shows the building layout at the area. 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 schematics The Solid Waste Stream Characterization conducted by IT Corporation was also reviewed. The NPDES Permit, the 1990 NPDES Permit Application submitted by LANL in September, 1990 and the latest Federal Facilities Compliance Agreement (FFCA) between DOE and EPA were used for reference;

2. A site visit was performed to verify the SFE drain schematic and to identify outfall pipes exiting the building. The visit entailed a room by room inspection of wastewater sources and drains, and interviews with site personnel to assist in waste stream characterization; and

3. SFE verified drain piping by dye checking.

2.0 FIELD INVESTIGATION

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

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

The function of each pipe exiting the buildings is listed in the Appendix 1, Tables 1 through 21, with non-drain recommendations listed in Table 22. Appendix 2 contains the waste stream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Completed EPA Forms 2C and 2D are in Appendix 3 for the appropriate outfalls. Appendix 4 provides information about the dye study of the building drains. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 2 through 21. A Site Plan is included in Appendix 5 as figure 1 illustrating the locations of buildings included in this report.

3.0 RECOMMENDATIONS FOR BUILDING 9-20

Building 9-20 is a guard house. This building has been gutted and does not contain any fixtures, drains or water source. No permitting or changes are recommended for this outfall and no EPA forms have been prepared.

4.0 RECOMMENDATION FOR BUILDING 9-21

This building contains administrative offices as well as many laboratories used for explosives chemistry research. Drawing Figure 2 shows a schematic of the building drains, and Table 2 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

4.1 Outfall 9-21-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the Solid Waste Sewage Consolidation (SWSC) Plant. The drains to this outfall are categorized as follows: water fountains (1), sink drains (2), floor drains (7), lavatory drains (4), toilets (4), urinals (3), and showers (4). No chemicals are drained into any of the drains or fixtures. No permitting or piping changes are recommended and no EPA forms were prepared.

4.2 Outfall 9-21-OPN-2

This outfall collects drainage from laboratories on the north side of the building and from the equipment room drains. This collection pipe connects to an HE settling tank. Discharge from the settling tank flows to EPA-permitted outfall 05A-066. The drains to this outfall are categorized as follows: eye wash drains (2), sink drains (11), floor drains (33), and cup sink drains (67). There is a vacuum pump with a once-through cooling

water system which drains to floor drain 1FD6. Providing the vacuum pump with a recirculating water system and eliminating the drain to 1FD6 is recommended.

It is recommended that in each of the laboratories which do not have emergency showers, the floor drain(s) be plugged. All laboratories which have emergency showers, electrical floor outlets and floor drains shall be provided with spill kits and an Administrative Safe Operating Procedure (SOP) shall be developed for handling a hazardous spill if the occasion were to arise. The object of the spill kit and the SOP is to keep the spilled substance from draining down the floor drain and to the permitted outfall. It is also recommended all of the floor outlets in these laboratories either be removed, re-located to above the floor or be modified to a grounded type outlet. Once the electrical outlets are modified, then all of the floor drains in these remaining laboratories should be plugged. Outfall 9-21-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-066

4.3 Outfall 9-21-OPN-3

This outfall collects drainage from laboratories on the south side of the building, as well as from drains in rooms 116, 117 and 128. This collection pipe connects to its own separate HE settling tank. Discharge from the settling tank flows to EPA-permitted outfall 05A-066. The drains to this outfall are categorized as follows: eye wash drains (2), sink drains (12), floor drains (34), and cup sink drains (61). It is recommended that in each of the laboratories which do not have emergency showers, the floor drain(s) be plugged. All laboratories which have emergency showers, electrical floor outlets and floor drains shall be provided with spill kits and an Administrative Safe Operating Procedure (SOP) shall be developed for handling a hazardous spill if the occasion were to arise. The object of the spill kit and the SOP is to keep the spilled substance from

draining down the floor drain and to the permitted outfall. It is also recommended all of the floor outlets in these laboratories either be removed, re-located to above the floor or be modified to a grounded type outlet. Once the electrical outlets are modified, then all of the floor drains in these remaining laboratories should be plugged. Outfall 9-21-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-066.

4.4 Outfall 9-21-OPN-4

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. The drains to this outfall are categorized as follows: water fountains (1), ice machine drains (1), sink drains (3), lavatory drains (1), and toilets (1). No chemicals are drained to any of the drains or fixtures. No permitting or piping changes are recommended and no EPA forms were prepared.

4.5 Outfall 9-21-OPN-5

This outfall is a fire system drain to daylight from Room 143. This outfall should be covered by a Notice Of Intent (NOI) to Discharge. No changes are recommended for this outfall and no EPA forms have been prepared.

4.6 Outfall 9-21-OPN-6

This outfall collects storm water from 14 roof drains, and connects to the industrial waste line that discharges to EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. Outfall 9-21-OPN-6 is included in the Form 2C which has been prepared for outfall 05A-066.

4.7 Outfall 9-21-OPN-7

This outfall collects storm water from 17 roof drains, and connects to the industrial waste line that discharges at EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. Outfall 9-21-OPN-7 is included in the Form 2C which has been prepared for outfall 05A-066.

5.0 RECOMMENDATIONS FOR BUILDING 9-28

This building is used for machining operations. Figure 3 shows a schematic of the building drains, and Table 3 shows a list of the outfalls, with contributing drains. Table 3 indicates that no changes are recommended for this building.

5.1 Outfall 9-28-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: water fountains (1), sink drains (2), floor drains (1), lavatory drains (1), and toilets (1). No permitting or piping changes are recommended and no EPA forms were prepared.

5.2 Outfalls 9-28-OPN-2, 9-28-OPN-3, 9-28-OPN-4, 9-28-OPN-5, 9-28-OPN-6, and 9-28-OPN-7

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are

included in the Form 2C which has been prepared for outfall 05A-066.

5.3 Outfalls 9-28-OPN-8 and 9-28-OPN-9

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 107). These outfalls should be covered by an NOI. No piping changes are required and no EPA forms have been prepared.

6.0 RECOMMENDATIONS FOR BUILDING 9-29

This building is used primarily for storage. Figure 4 shows a schematic of the building drains, and Table 4 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

6.1 Outfall 9-29-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: water fountains (1), sink drains (1), floor drains (2), lavatory drains (1), and toilets (1). No permitting or piping changes are recommended and no EPA forms were prepared.

6.2 Outfalls 9-29-OPN-2, 9-29-OPN-3, 9-29-OPN-4, 9-29-OPN-5, 9-29-OPN-6, 9-29-OPN-7, 9-29-OPN-8, and 9-29-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are

included in the Form 2C which has been prepared for outfall 05A-066.

6.3 Outfalls 9-29-OPN-10 and 9-29-OPN-11

These outfall pipes are fire system test outlets which drain to daylight next to the building. These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

6.4 Outfalls 9-29-OPN-12 and 9-29-OPN-13

These outfall pipes are steam vents from the equipment Room (room 107). These outfalls should be covered by an NOI. No piping changes are recommended for these outfalls and no EPA forms were prepared.

7.0 RECOMMENDATIONS FOR BUILDING 9-31

This building is used for chemical storage. Figure 5 shows a schematic of the building drains, and Table 5 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

7.1 Outfalls 9-31-OPN-1 and 9-31-OPN-2

These outfalls are capped discharges from a trench inside the building. Recommendation is made to permanently plug these outfalls. Since the pipes are capped, no EPA form is required and none was prepared.

8.0 RECOMMENDATIONS FOR BUILDING 9-32

This building is used for mass spectrography and laboratory work. Figure 6 shows a schematic of the building drains, and Table 6 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

8.1 Outfall 9-32-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: sink drains (1), floor drains (3), lavatory drains (1), and toilets (1). Floor Drain 1FD2 receives water flow from a vacuum pump once-through cooling system drain. It is recommended this once-through cooling system be eliminated and replaced with a recirculating cooling system and the drain line to the floor drain be removed. No permitting is recommended for this outfall and no EPA forms were prepared.

8.2 Outfall 9-32-OPN-2

This outfall collects drainage from two laboratories in the building. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-066. The drains to this outfall are categorized as follows: eye wash drains (1), water fountain drains (1), sink drains (3), floor drains (2), and cup sink drains (12). Outfall 9-32-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-066.

8.3 Outfall 9-32-OPN-3

This outfall collects drainage from one floor drain in the mass spectrography laboratory (Room 102). This outfall discharges to

a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Outfall 9-32-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-066.

8.4 Outfall 9-32-OPN-4

This outfall collects drainage from three floor drains in the mass spectrography laboratory (Room 102). This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Outfall 9-32-OPN-4 is included in the Form 2C which has been prepared for outfall 05A-066.

8.5 Outfall 9-32-OPN-5

This outfall collects drainage from one floor drain and one sink drain in room 101, and one floor drain in the equipment room (room 103). This outfall discharges to its own flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Outfall 9-32-OPN-5 is included in the Form 2C which has been prepared for outfall 05A-066.

8.6 Outfalls 9-32-OPN-6, 9-32-OPN-7, 9-32-OPN-8, 9-32-OPN-9, 9-32-OPN-10, and 9-32-OPN-11

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-066.

8.7 Outfalls 9-32-OPN-12, 9-32-OPN-13, 9-32-OPN-14, and 9-32-OPN-15

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 103). These outfalls should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

8.8 Outfall 9-32-OPN-16

This outfall pipe is a vapor relief for a vacuum tank inside the equipment room (room 103). This outfall should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

9.0 RECOMMENDATIONS FOR BUILDING 9-33

This building appears to be used as a laboratory. Figure 7 shows a schematic of the building drains, and Table 7 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

9.1 Outfall 9-33-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: eye wash drains (1), floor drains (2), lavatory drains (1), and toilets (1). No permitting or piping changes are recommended and no EPA forms were prepared.

9.2 Outfall 9-33-OPN-2

This outfall collects drainage from two floor drains, both of which are out of service. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Outfall 9-33-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-066.

9.3 Outfall 9-33-OPN-3

This outfall collects drainage from one floor drain in a trough in an operations room. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Outfall 9-33-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-066.

9.4 Outfalls 9-33-OPN-4 and 9-33-OPN-5

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-066. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-066.

9.5 Outfall 9-33-OPN-6

This outfall discharges treated cooling water from a small cooling tower located on the east side of the building. A Form 2D has been prepared for outfall 9-33-OPN-6.

10.0 RECOMMENDATIONS FOR BUILDING 9-34

This building is used for hydraulic pressing. Figure 8 shows a schematic of the building drains, and Table 8 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

10.1 Outfall 9-34-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (3), lavatory drains (1), and toilets (1). It is recommended floor drains 1FD3 and 1FD4 in mechanical room 105 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

10.2 Outfall 9-34-OPN-2

This outfall collects drainage from a floor drain in mechanical room 105, and a sink drain in laboratory 103. This outfall discharges to a flume outside the building which connects to a HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drain 1FD2 in room 105 be re-piped to the sanitary sewer system. Outfall 9-34-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

10.3 Outfall 9-34-OPN-3

This outfall collects drainage from two floor drains, one of which is a drain from a sump. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD5 and 1FD7 be plugged and the

sump related to 1FD7 be provided with a high water alarm. Outfall 9-34-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

10.4 Outfall 9-34-OPN-4

This outfall collects drainage from two floor drains, one of which is a drain from a sump (sump floor drain was not verified due to inaccessibility). This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD6 and 1FD8 be plugged and the sump related to 1FD8 be provided with a high water alarm. Outfall 9-34-OPN-4 is included in the Form 2C which has been prepared for outfall 05A-067.

10.5 Outfalls 9-34-OPN-5, 9-34-OPN-6, 9-34-OPN-7, 9-34-OPN-8 and 9-34-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

10.6 Outfalls 9-34-OPN-10, 9-34-OPN-11, 9-34-OPN-12, and 9-34-OPN-13

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

11.0 RECOMMENDATIONS FOR BUILDING 9-35

This building is used for hydraulic pressing. Figure 9 shows a schematic of the building drains, and Table 9 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

11.1 Outfall 9-35-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (3), lavatory drains (1), and toilets (1). It is recommended that floor drains 1FD3 and 1FD4 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

11.2 Outfall 9-35-OPN-2

This outfall collects drainage from a floor drain in equipment room 105, and a sink drain in laboratory 103. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drain 1FD2 be re-piped to the sanitary sewer system. Outfall 9-35-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

11.3 Outfall 9-35-OPN-3

This outfall collects drainage from two floor drains, one of which is a drain from a sump. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD5 and 1FD7 be plugged and the sump related to 1FD7 be provided with a high water alarm.

Outfall 9-35-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

11.4 Outfall 9-35-OPN-4

This outfall collects drainage from two floor drains, one of which is a drain from a sump (sump floor drain was not verified due to inaccessibility). This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD6 and 1FD8 be plugged and the sump related to 1FD8 be provided with a high water alarm. Outfall 9-35-OPN-4 is included in the Form 2C which has been prepared for outfall 05A-067.

11.5 Outfalls 9-35-OPN-5, 9-35-OPN-6, 9-35-OPN-8 and 9-35-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

11.6 Outfall 9-35-OPN-7

This outfall pipe discharges HVAC condensate from Room 106 to daylight next to the building. This outfall should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

11.7 Outfalls 9-35-OPN-10, 9-35-OPN-11, 9-35-OPN-12, and 9-35-OPN-13

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required and no EPA forms were prepared.

11.8 Outfalls 9-35-OPN-14, and 9-35-OPN-15

These outfall pipes are: a steam trap condensate drain (9-35-OPN-14), and an oven flue (9-35-OPN-15). Outfall 9-35-OPN-14 should be covered by an NOI. No piping changes are required and no EPA forms were prepared.

12.0 RECOMMENDATIONS FOR BUILDING 9-37

This building appears to be used as a laboratory. Figure 10 shows a schematic of the building drains, and Table 10 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

12.1 Outfall 9-37-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (2), lavatory drains (1), and toilets (1). It is recommended that floor drain 1FD2 in equipment room 105 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

12.2 Outfall 9-37-OPN-2

This outfall collects drainage from a trench drain, and a floor drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-37-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

12.3 Outfall 9-37-OPN-3

This outfall collects drainage from a trench drain, with a cup drain discharge, and two floor drains, one of which is a drain from a sump. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-37-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

12.4 Outfalls 9-37-OPN-4, 9-37-OPN-5, 9-37-OPN-6, 9-37-OPN-7 and 9-37-OPN-8

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. It is also recommended the liquid from the vacuum pump discharge 9-37-OPN-8 be containerized at the unit and the outfall be eliminated. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

12.5 Outfalls 9-37-OPN-9 and 9-37-OPN-10

These outfall pipes are vents from steam pressure relief valves. These outfalls should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

12.6 Outfalls 9-37-OPN-11, 9-37-OPN-12 and 9-37-OPN-13

These outfall pipes are: steam condensate (9-37-OPN-11), hood vent (9-37-OPN-12), and an air compressor condensate discharge (9-37-OPN-13). Outfall 9-37-OPN-11 should be covered by an NOI. It is recommended the liquid from the air compressor discharge (9-37-OPN-13) be containerized at the unit and the outfall be eliminated. No EPA forms are required for these outfalls and none were prepared.

13.0 RECOMMENDATIONS FOR BUILDING 9-38

This building appears to be used as a laboratory. Figure 11 shows a schematic of the building drains, and Table 11 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

13.1 Outfall 9-38-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (2), lavatory drains (1), and toilets (1). It is recommended that floor drain 1FD2 located in equipment room 105 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

13.2 Outfall 9-38-OPN-2

This outfall collects drainage from a trench drain, and a floor drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-38-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

13.3 Outfall 9-38-OPN-3

This outfall collects drainage from a trench drain, and two floor drains, one of which is a drain from a sump. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-38-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

13.4 Outfalls 9-38-OPN-4, 9-38-OPN-5, 9-38-OPN-6, 9-38-OPN-7 and 9-38-OPN-8

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. The liquid from the vacuum pumps that discharge out 9-38-OPN-8 are recommended to be containerized at the units and the outfall removed. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

13.5 Outfalls 9-38-OPN-9, 9-38-OPN-10 and 9-38-OPN-11

These outfall pipes are vents from steam pressure relief valves. These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

13.6 Outfalls 9-38-OPN-12, 9-38-OPN-13 and 9-38-OPN-14

These outfall pipes are: steam condensate (9-38-OPN-12 and 9-38-OPN-13) and an air compressor condensate discharge (9-38-OPN-14). Outfalls 9-38-OPN-12 and 9-38-OPN-13 should be covered by an NOI. A recommendation is made to containerize the liquid from the air compressor at the unit and the outfall can be eliminated. No EPA form is required for these outfalls and none were prepared.

14.0 RECOMMENDATIONS FOR BUILDING 9-40

This building contains five rooms with environmental chambers, used for HE experimentation. Figure 12 shows a schematic of the building drains, and Table 12 shows a list of the outfalls, with contributing drains. Table 12 indicates that no changes are recommended for this building.

14.1 Outfall 9-40-OPN-1

This outfall drains a single floor drain in the pipe chase behind the environmental chambers. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-066. Recommendation is made to plug this drain, taking this outfall out of service. Outfall 9-40-OPN-1 is included in the Form 2C which has been prepared for outfall 05A-066.

14.2 Outfalls 9-40-OPN-2, 9-40-OPN-3, 9-40-OPN-4, 9-40-OPN-6 and 9-40-OPN-7

These outfalls drain floor drains in the rooms containing the environmental chambers. These outfalls discharge to flumes outside the building which connect to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. It is recommended that floor drains 1FD2, 1FD3, 1FD4, 1FD6 and 1FD7 be plugged and each environmental chamber should be provided with a

high water alarm. These outfalls are included in the Form 2C which has been prepared for outfall 05A-066.

14.3 Outfall 9-40-OPN-5

This outfall drains a floor drain in the equipment room. The outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-066. This outfall is included in the Form 2C which has been prepared for outfall 05A-066.

15.0 RECOMMENDATIONS FOR BUILDING 9-41

Figure 13 shows a schematic of the building drains, and Table 13 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

15.1 Outfall 9-41-OPN-1

This outfall is from sanitary facilities and flows into a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: water fountain drains (1), floor drains (2), lavatory drains (1), urinals (1), and toilets (2). It is recommended that floor drain 1FD2 located in XFMR vault 103 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

15.2 Outfalls 9-41-OPN-2 and 9-41-OPN-3

These outfall pipes are vents from steam pressure relief valves. These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

16.0 RECOMMENDATIONS FOR BUILDING 9-42

Room 101 in this building is used as a vault, and was not entered. Floor drains in this room were determined from plumbing drawings and could not be verified. Room 105 has glove boxes. Figure 14 is a floor drain schematic and Table 14 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

16.1 Outfall 9-42-OPN-1

This outfall is from sanitary sewer facilities and flows into a manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (3), lavatory drains (1), and toilets (1). It is recommended that floor drains 1FD3 and 1FD4 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

16.2 Outfall 9-42-OPN-2

This outfall collects drainage from a floor drain, and a sink drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drain 1FD2 be plugged. Outfall 9-42-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

16.3 Outfall 9-42-OPN-3

This outfall collects drainage from two floor drains in Room 101, a vault. The vault was not accessible so the sump shown in Figure 15 for floor drain 1FD7, surmised from the design of similar buildings, was not verified. This outfall discharges to

a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD5 and 1FD7 be plugged and the sump relating to 1FD7 be provided with a high water alarm. Outfall 9-42-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

16.4 Outfall 9-42-OPN-4

This outfall collects drainage from two floor drains in Room 101, a vault. The vault was not accessible so the sump shown in Figure 15 for floor drain 1FD8, surmised from the design of similar buildings, was not verified. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drains 1FD6 and 1FD8 be plugged and the sump relating to floor drain 1FD8 be provided with a high water alarm. Outfall 9-42-OPN-4 is included in the Form 2C which has been prepared for outfall 05A-067.

16.5 Outfalls 9-42-OPN-5, 9-42-OPN-6, 9-42-OPN-7, and 9-42-OPN-8

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

16.6 Outfalls 9-42-OPN-9 and 9-42-OPN-10

These outfalls are as follows: steam condensate (9-42-OPN-9) and an air compressor condensate blowdown (9-42-OPN-10). Outfall 9-42-OPN-9 should be covered by an NOI. The liquid from the air

compressor blowdown should be containerized at the unit and the outfall 9-42-OPN-10 eliminated. No EPA form was prepared for either outfall.

16.7 Outfalls 9-42-OPN-11, 9-42-OPN-12 and 9-42-OPN-13

These outfall pipes are all disconnected. Recommendation is made to remove these pipes. No EPA form is required and none was prepared.

16.8 Outfalls 9-42-OPN-14 and 9-42-OPN-15

These outfall pipes are vents from steam pressure relief valves. These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

17.0 RECOMMENDATIONS FOR BUILDING 9-43

This building is used for hydraulic pressing. Figure 15 shows a schematic of the building drains, and Table 15 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

17.1 Outfall 9-43-OPN-1

This outfall is from sanitary facilities and flows into a manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (3), lavatory drains (1), and toilets (1). It is recommended that floor drains 1FD3 and 1FD4 located in equipment room 105 be plugged. no permitting is recommended for this outfall and no EPA forms were prepared.

17.2 Outfall 9-43-OPN-2

This outfall collects drainage from a floor drain, and a sink drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. It is recommended that floor drain 1FD2 be plugged. Outfall 9-43-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

17.3 Outfall 9-43-OPN-3

This outfall collects drainage from a single floor drain in a sump in Room 101. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-43-OPN-3 is included in the Form 2C which has been prepared for outfall 05A-067.

17.4 Outfall 9-43-OPN-4

This outfall collects drainage from two floor drains, one of which is a drain from a sump (sump floor drain was not verified due to inaccessibility). This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-43-OPN-4 is included in the Form 2C which has been prepared for outfall 05A-067.

17.5 Outfalls 9-43-OPN-5, 9-43-OPN-6, 9-43-OPN-7, 9-43-OPN-8 and 9-43-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the

flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-067.

17.6 Outfalls 9-43-OPN-10, 9-43-OPN-11 and 9-43-OPN-12

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

17.7 Outfalls 9-43-OPN-13, 9-43-OPN-14 and 9-43-OPN-15

These outfall pipes are: a vent from a compressed air tank (9-43-OPN-13), an air compressor blowdown (9-43-OPN-14) and an oven flue (9-43-OPN-15). The liquid from the air compressor and the air tank should be containerized at each unit. No EPA forms are required for these outfalls and none were prepared.

18.0 RECOMMENDATIONS FOR BUILDING 9-45

Figure 16 shows a schematic of the building drains, and Table 16 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

18.1 Outfall 9-45-OPN-1

This outfall is from sanitary facilities and flows to a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (4), lavatory drains (1), and toilets (1). It is recommended that floor drains 1FD2 and 1FD3 located in equipment room 105 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

18.2 Outfall 9-45-OPN-2

This outfall collects drainage from a floor drain, and a sink drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-45-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

18.3 Outfall 9-45-OPN-3

This outfall collects drainage from two floor drains, one of which is in a sump (1FD7) and an emergency eye wash unit in room 101. This outfall discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. This outfall is included in the Form 2C which has been prepared for outfall 05A-067.

18.4 Outfall 9-45-OPN-4

This outfall collects drainage from one floor drain and one equipment drain and discharges to a flume outside the building which connects to the HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Equipment room 105 has a vacuum pump that discharges to 1ED1 in that room. It is recommended the discharge from this vacuum pump be containerized at the unit. This outfall is included in the Form 2C which has been prepared for outfall 05A-067.

18.5 Outfalls 9-45-OPN-5, 9-45-OPN-6, 9-45-OPN-7, 9-45-OPN-8 and 9-45-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA-permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are

included in the Form 2C which has been prepared for outfall 05A-067.

18.6 Outfall 9-45-OPN-10

This outfall pipe is a fire protection drain. This outfall should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

18.7 Outfall 9-45-OPN-11 and 9-45-OPN-12

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

18.8 Outfalls 9-45-OPN-13 and 9-45-OPN-14

These outfall pipes are: a steam condensate outlet (9-45-OPN-13) and a condensate vent (9-45-OPN-14). Outfalls 9-45-OPN-13, and 9-45-OPN-14 should be covered by an NOI. It is recommended outfall 9-45-OPN-13 be re-piped to floor drain 1FD8, shown on figure 16. No EPA form was prepared either outfall.

18.9 Outfall 9-45-OPN-15

This outfall pipe is disconnected. Recommendation is made to remove this pipe. No EPA form is required and none was prepared.

19.0 RECOMMENDATIONS FOR BUILDING 9-46

This building has some radioactive processing in Room 101. Figure 17 shows a schematic of the building drains, and Table 17 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

19.1 Outfall 9-46-OPN-1

This outfall is from sanitary facilities and flows to a manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (1), lavatory drains (1), and toilets (1). No permitting or piping changes are recommended for this outfall and no EPA forms were prepared.

19.2 Outfall 9-46-OPN-2

This outfall collects drainage from two floor drains in Room 105, and a sink drain in a laboratory. This outfall discharges to a flume outside the building which connects to an HE settling tank, which then discharges to EPA-permitted outfall 05A-067. Outfall 9-46-OPN-2 is included in the Form 2C which has been prepared for outfall 05A-067.

19.3 Outfalls 9-46-OPN-3 and 9-46-OPN-4

These outfalls each collect drainage from a single floor drain in Room 101 and 103. These outfalls discharge to a flume outside the building which connects to the HE settling tank, which then discharges to EPA permitted outfall 05A-067. Outfalls 9-46-OPN-3 and 9-46-OPN-4 are included in the Form 2C which has been prepared for outfall 05A-067.

19.4 Outfalls 9-46-OPN-5, 9-46-OPN-6, 9-46-OPN-7, 9-46-OPN-8 and 9-46-OPN-9

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA permitted outfall 05A-067. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are

included in the Form 2C which has been prepared for outfall 05A-067.

19.5 Outfalls 9-46-OPN-10, 9-46-OPN-11 and 9-46-OPN-12

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required and no EPA forms were prepared.

19.6 Outfall 9-46-OPN-13

This outfall pipe is disconnected. Recommendation is made to remove this pipe. No EPA form is required and none was prepared.

19.7 Outfall 9-46-OPN-14

This outfall pipe is an air compressor condensate blowdown. It is recommended that the liquid from the air compressor blowdown be containerized at the unit. No EPA form is required and none was prepared.

20.0 RECOMMENDATIONS FOR BUILDING 9-48

This building is used for HE machining operations. Figure 18 shows a schematic of the building drains, and Table 18 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

20.1 Outfall 9-48-OPN-1

This outfall is from sanitary facilities and flows to a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any drains or fixtures. The drains to this outfall are categorized as follows: floor drains (2), lavatory drains (1),

and toilets (1). Equipment room 108 has two vacuum pumps with a once-through cooling water system discharge draining to floor drain 1FD1. It is recommended that the once-through cooling system for these pumps be eliminated and replaced with a recirculating system. No permitting is recommended for this outfall and no EPA forms were prepared.

20.2 Outfall 9-48-OPN-2

This outfall is from a water fountain and flows to a sewer manhole which drains to the SWSC Plant. No permitting or piping changes were recommended for this outfall and no EPA forms were prepared.

20.3 Outfalls 9-48-OPN-3, 9-48-OPN-4, 9-48-OPN-5 and 9-48-OPN-6

These four outfalls collect drainage from a trough that runs inside the north wall in building 9-48. The trench drains discharge to flumes which connects to an HE settling tank, which then discharges to EPA permitted outfall 05A-068. These outfalls are included in the Form 2C which has been prepared for outfall 05A-068.

20.4 Outfalls 9-48-OPN-7, 9-48-OPN-8, 9-48-OPN-9 and 9-48-OPN-10

These outfalls receive flow from roof drains. They are connected to the industrial sewer which discharges at EPA permitted outfall 05A-068. It is recommended the discharge from these roof drains be modified to flow to the nearest storm sewer collection system or to daylight per Laboratory policy. This would eliminate the flow of storm water to the permitted outfall. These outfalls are included in the Form 2C which has been prepared for outfall 05A-068.

20.5 Outfall 9-48-OPN-11

This outfall pipe is a compressor inlet. No EPA form is required and none was prepared.

20.6 Outfalls 9-48-OPN-12 and 9-48-OPN-13

These outfall pipes are vacuum pump cooling water vents. No EPA form is required and none was prepared.

20.7 Outfalls 9-48-OPN-14 and 9-48-OPN-15

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 108). These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

20.8 Outfalls 9-48-OPN-16, 9-48-OPN-17 and 9-48-OPN-18

These outfall pipes discharge from a steam condensate pit on the south side of the building: 9-48-OPN-16 discharges from a condensate sump pump, 9-48-OPN-17 is a manual condensate tank discharge and 9-48-OPN-18 is a manual condensate bleed. These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

21.0 RECOMMENDATIONS FOR BUILDING 9-50

This building is used for HE machining operations. Figure 19 shows a schematic of the building drains, and Table 19 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

21.1 Outfall 9-50-OPN-1

This outfall is from sanitary facilities and flows to a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (2), lavatory drains (1), and toilets (1). No permitting or piping changes are required for this outfall and no EPA forms were prepared.

21.2 Outfall 9-50-OPN-2

This outfall collects drainage from two floor drains and a sink in the laboratory room. The outfall discharges to a flume which connects to an HE settling tank, which then discharges to EPA permitted outfall 04A-155. It is recommended that floor drains 1FD3 and 1FD4 be plugged and sink 1SD1 be re-routed to the sanitary sewer system or eliminated. Permitted outfall 04A-155 can then be eliminated. A Form 2C has been prepared for this outfall.

21.3 Outfalls 9-50-OPN-3 and 9-50-OPN-4

These outfalls receive flow from two roof drains. Their point of discharge was not established. Recommendation is made to locate the discharge pipes and repipe these outfalls to a new, separate storm drain discharge. No EPA form is required for these outfalls and none has been prepared.

21.4 Outfall 9-50-OPN-5

This outfall pipe is not connected inside the equipment room. Recommendation has been made to remove the pipe. No EPA form is required for this outfall and none has been prepared.

22.0 RECOMMENDATIONS FOR BUILDING 9-51

Figure 20 shows a schematic of the building drains, and Table 20 shows a list of the outfalls, with contributing drains and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

22.1 Outfall 9-51-OPN-1

This outfall is from sanitary facilities and flows to a sewer manhole which drains to the SWSC Plant. No chemicals are drained into any of the drains or fixtures. The drains to this outfall are categorized as follows: floor drains (5), lavatory drains (1), and toilets (1). Floor drain 1FD4 in Figure 21 was determined from plumbing drawings, but was not verified due to inaccessibility to the vault. Recommendation is made to plug floor drain 1FD4. Containerizing the liquid discharge from the air compressor unit located in the equipment room is recommended. It is also recommended that floor drain 1FD2 located in equipment room 103 be plugged. No permitting is recommended for this outfall and no EPA forms were prepared.

22.2 Outfalls 9-51-OPN-2 and 9-51-OPN-3

These outfalls receive flow from two roof drains. Their point of discharge was not established. Recommendation is made to repipe these outfalls to a new, separate storm drain discharge. No EPA form is required for these outfalls and none has been prepared.

22.3 Outfall 9-51-OPN-4

This outfall pipe is not connected inside the equipment room. Recommendation has been made to remove the pipe. No EPA form is required for this outfall and none has been prepared.

22.4 Outfalls 9-51-OPN-5 and 9-51-OPN-6

These outfall pipes are vents from steam pressure relief valves in the equipment room (room 105). These outfalls should be covered by an NOI. No piping changes are required for these outfalls and no EPA forms were prepared.

22.5 Outfall 9-51-OPN-7

This outfall pipe is a vent from a gas bleed line. No EPA form is required for this outfall and none has been prepared.

22.6 Outfalls 9-51-OPN-8 and 9-51-OPN-9

These outfall pipes are vents from a boiler: 9-51-OPN-8 is a boiler vent and 9-51-OPN-9 is a vent on the boiler blowdown. No EPA form is required at this time and none was prepared.

23.0 RECOMMENDATIONS FOR BUILDING 9-214

Figure 21 indicates the location of two outfalls from the building. Table 21 shows a list of the outfalls with a description of their sources and includes recommendations for changes to the drain piping. The discussion below gives the reasoning for the recommendations.

23.1 Outfall 9-214-OPN-1

This outfall pipe is a steam pressure relief vent. This outfall should be covered by an NOI. No piping changes are required for this outfall and no EPA forms were prepared.

23.2 Outfall 9-214-OPN-2

This outfall pipe is an air compressor condensate blowdown. It is recommended the liquid from the air compressor blowdown be containerized at the unit and the outfall removed. No EPA form is required at this time and none was prepared.

24.0 RECOMMENDATIONS FOR BUILDINGS WITH NO DRAINS

24.1 Building 9-30

This building is an inactive gas bottle storage building. No outfalls were found emanating from this building and no EPA Forms were prepared.

24.2 Buildings 9-22, 9-23, 9-24, 9-25, 9-26, 9-27, 9-36, 9-39, 9-44, 9-47, 9-49, 9-52, 9-53, 9-54, 9-55, 9-204 and 9-208

These buildings are HE storage bunkers and magazettes without outlet piping emanating from the buildings. No EPA forms were prepared.

25.0 CONCLUSION

This document provides the information to characterize the buildings at TA-9. Permit application forms have been completed for the following outfalls (Appendix 3):

Form 2C:

Storm Water Outfalls:

1. 9-21-OPN-6 (05A066)	2. 9-21-OPN-7 (05A066)
3. 9-28-OPN-2 (05A066)	4. 9-28-OPN-3 (05A066)
5. 9-28-OPN-4 (05A066)	6. 9-28-OPN-5 (05A066)
7. 9-28-OPN-6 (05A066)	8. 9-28-OPN-7 (05A066)
9. 9-29-OPN-2 (05A066)	10. 9-29-OPN-3 (05A066)
11. 9-29-OPN-4 (05A066)	12. 9-29-OPN-5 (05A066)
13. 9-29-OPN-6 (05A066)	14. 9-29-OPN-7 (05A066)
15. 9-29-OPN-8 (05A066)	16. 9-29-OPN-9 (05A066)
17. 9-32-OPN-6 (05A066)	18. 9-32-OPN-7 (05A066)
19. 9-32-OPN-8 (05A066)	20. 9-32-OPN-9 (05A066)
21. 9-32-OPN-10 (05A066)	22. 9-32-OPN-11 (05A066)
23. 9-33-OPN-4 (05A066)	24. 9-33-OPN-5 (05A066)
25. 9-34-OPN-5 (05A067)	26. 9-34-OPN-6 (05A067)
27. 9-34-OPN-7 (05A067)	28. 9-34-OPN-8 (05A067)
29. 9-34-OPN-9 (05A067)	30. 9-35-OPN-5 (05A067)
31. 9-35-OPN-6 (05A067)	32. 9-35-OPN-8 (05A067)
33. 9-35-OPN-9 (05A067)	34. 9-37-OPN-4 (05A067)
35. 9-37-OPN-5 (05A067)	36. 9-37-OPN-6 (05A067)
37. 9-37-OPN-7 (05A067)	38. 9-37-OPN-8 (05A067)
39. 9-38-OPN-4 (05A067)	40. 9-38-OPN-5 (05A067)
41. 9-38-OPN-6 (05A067)	42. 9-38-OPN-7 (05A067)
43. 9-38-OPN-8 (05A067)	44. 9-42-OPN-5 (05A067)
45. 9-42-OPN-6 (05A067)	46. 9-42-OPN-7 (05A067)
47. 9-42-OPN-8 (05A067)	48. 9-43-OPN-5 (05A067)
49. 9-43-OPN-6 (05A067)	50. 9-43-OPN-7 (05A067)
51. 9-43-OPN-8 (05A067)	52. 9-43-OPN-9 (05A067)
53. 9-45-OPN-5 (05A067)	54. 9-45-OPN-6 (05A067)
55. 9-45-OPN-7 (05A067)	56. 9-45-OPN-8 (05A067)
57. 9-45-OPN-9 (05A067)	58. 9-46-OPN-5 (05A067)
59. 9-46-OPN-6 (05A067)	60. 9-46-OPN-7 (05A067)
61. 9-46-OPN-8 (05A067)	62. 9-46-OPN-9 (05A067)
63. 9-48-OPN-7 (05A068)	64. 9-48-OPN-8 (05A068)
65. 9-48-OPN-9 (05A068)	66. 9-48-OPN-10 (05A068)

Industrial Outfalls:

1.	9-21-OPN-2 (05A066)	2.	9-21-OPN-3 (05A066)
3.	9-32-OPN-2 (05A066)	4.	9-32-OPN-3 (05A066)
5.	9-32-OPN-4 (05A066)	6.	9-32-OPN-5 (05A066)
7.	9-33-OPN-2 (05A066)	8.	9-33-OPN-3 (05A066)
9.	9-34-OPN-2 (05A067)	10.	9-34-OPN-3 (05A067)
11.	9-34-OPN-4 (05A067)	12.	9-35-OPN-2 (05A067)
13.	9-35-OPN-3 (05A067)	14.	9-35-OPN-4 (05A067)
15.	9-37-OPN-2 (05A067)	16.	9-37-OPN-3 (05A067)
17.	9-38-OPN-2 (05A067)	18.	9-38-OPN-3 (05A067)
19.	9-40-OPN-1 (05A067)	20.	9-40-OPN-2 (05A067)
21.	9-40-OPN-3 (05A067)	22.	9-40-OPN-4 (05A067)
23.	9-40-OPN-5 (05A067)	24.	9-40-OPN-6 (05A067)
25.	9-40-OPN-7 (05A067)	26.	9-42-OPN-2 (05A067)
27.	9-42-OPN-3 (05A067)	28.	9-42-OPN-4 (05A067)
29.	9-43-OPN-2 (05A067)	30	9-43-OPN-3 (05A067)
31.	9-43-OPN-4 (05A067)	32.	9-45-OPN-2 (05A067)
33.	9-45-OPN-3 (05A067)	34.	9-45-OPN-4 (05A067)
35.	9-46-OPN-2 (05A067)	36.	9-46-OPN-3 (05A067)
37.	9-46-OPN-4 (05A067)	38.	9-48-OPN-3 (05A068)
39.	9-48-OPN-4 (05A068)	40.	9-48-OPN-5 (05A068)
41.	9-48-OPN-6 (05A068)	42.	9-50-OPN-2 (04A155)

Form 2D:

1. 9-33-OPN-6 (Cooling Tower Blowdown - TCW)

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

Discharges to the SWSC Plant:

1.	9-21-OPN-1	2.	9-21-OPN-4	3.	9-28-OPN-1
4.	9-29-OPN-1	5.	9-32-OPN-1	6.	9-33-OPN-1
7.	9-34-OPN-1	8.	9-35-OPN-1	9.	9-37-OPN-1
10.	9-38-OPN-1	11.	9-41-OPN-1	12.	9-42-OPN-1
13.	9-43-OPN-1	14.	9-45-OPN-1	15.	9-46-OPN-1
16.	9-48-OPN-1	17.	9-48-OPN-2	18.	9-50-OPN-1
19.	9-51-OPN-1				

Discharges of steam condensate:

1.	9-35-OPN-14	2.	9-37-OPN-11	3.	9-38-OPN-12
4.	9-42-OPN-9	5.	9-45-OPN-13	6.	9-45-OPN-14
7.	9-48-OPN-17	8.	9-48-OPN-18		

Discharges from vapor vents:

1.	9-32-OPN-16	2.	9-37-OPN-12	3.	9-48-OPN-12
4.	9-48-OPN-13	5.	9-51-OPN-4	6.	9-51-OPN-8
7.	9-51-OPN-9				

Discharge from steam pressure relief vents:

1. 9-28-OPN-8	2. 9-28-OPN-9	3. 9-29-OPN-12
4. 9-29-OPN-13	5. 9-32-OPN-12	6. 9-32-OPN-13
7. 9-32-OPN-14	8. 9-32-OPN-15	9. 9-33-OPN-7
10. 9-33-OPN-8	11. 9-33-OPN-9	12. 9-34-OPN-10
13. 9-34-OPN-11	14. 9-34-OPN-12	15. 9-34-OPN-13
16. 9-35-OPN-10	17. 9-35-OPN-11	18. 9-35-OPN-12
19. 9-35-OPN-13	20. 9-37-OPN-9	21. 9-37-OPN-10
22. 9-38-OPN-9	23. 9-38-OPN-10	24. 9-38-OPN-11
25. 9-40-OPN-8	26. 9-41-OPN-2	27. 9-41-OPN-3
28. 9-42-OPN-14	29. 9-42-OPN-15	30. 9-43-OPN-10
31. 9-43-OPN-11	32. 9-43-OPN-12	33. 9-45-OPN-11
34. 9-45-OPN-12	35. 9-46-OPN-10	36. 9-46-OPN-11
37. 9-46-OPN-12	38. 9-48-OPN-14	39. 9-48-OPN-15
40. 9-51-OPN-5	41. 9-51-OPN-6	42. 9-214-OPN-1

Storm water discharges:

1. 9-50-OPN-3	2. 9-50-OPN-4	3. 9-51-OPN-2
4. 9-51-OPN-3		

Discharges from the fire water system:

1. 9-21-OPN-5	2. 9-29-OPN-10	3. 9-29-OPN-11
4. 9-45-OPN-10		

Discharges from air compressors:

1. 9-37-OPN-13	2. 9-38-OPN-14	3. 9-42-OPN-10
4. 9-43-OPN-14	5. 9-46-OPN-14	6. 9-214-OPN-2

Miscellaneous outlets:

1. 9-35-OPN-15	2. 9-38-OPN-13	3. 9-43-OPN-13
4. 9-43-OPN-15	5. 9-48-OPN-11	6. 9-48-OPN-16
7. 9-51-OPN-7		

HVAC condensate drains:

1. 9-35-OPN-7

Capped outfall pipes:

1. 9-31-OPN-1	2. 9-31-OPN-2

Disconnected pipes:

1. 9-42-OPN-11	2. 9-42-OPN-12	3. 9-42-OPN-13
4. 9-45-OPN-15	5. 9-46-OPN-13	6. 9-50-OPN-5

Buildings that do not have any drains:

1. 9-20	2. 9-22	3. 9-23	4. 9-24
5. 9-25	6. 9-26	7. 9-27	8. 9-30
9. 9-36	10. 9-39	11. 9-44	12. 9-47
13. 9-49	14. 9-52	15. 9-54	16. 9-54
17. 9-55	18. 9-204	19. 9-208	

The following EPA permitted outfalls have combined industrial/storm water flows, as defined in Appendix 3 Forms 2C:

1. 05A066
2. 05A067
3. 05A068

Recommended permitting and corrective actions are outlined in Tables 2 through 21. Corrective action should be performed as soon as practicable to minimize the chance of unpermitted discharge of pollutants.

TABLE 1
SUMMARY OF ABBREVIATIONS

ABBREVIATION	MEANING
CD	Cup Drain
ED	Equipment Drain
EW	Emerg. Eye Wash
FD	Floor Drain
IM	Ice Machine
LV	Lavatory
RD	Roof Drain
SD	Sink Drain
SH	Shower
TL	Toilet
TD	Trench Drain
UR	Urinal
WF	Water Fountain

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-1 SANITARY	1FD1	BATHROOM	141	NO CHANGE	NO
	1FD2	BATHROOM	141	NO CHANGE	
	1FD3	BATHROOM	141	NO CHANGE	
	1LV1	BATHROOM	142	NO CHANGE	
	1LV2	BATHROOM	141	NO CHANGE	
	1LV3	BATHROOM	141	NO CHANGE	
	1LV4	BATHROOM	141	NO CHANGE	
	1SD1	KITCHEN	102	NO CHANGE	
	1SD5	JANITOR'S CLOSET	116	NO CHANGE	
	1SH1	BATHROOM	142	NO CHANGE	
	1SH2	BATHROOM	141	NO CHANGE	
	1SH3	BATHROOM	141	NO CHANGE	
	1SH4	BATHROOM	141	NO CHANGE	
	1TL1	BATHROOM	142	NO CHANGE	
	1TL2	BATHROOM	141	NO CHANGE	
	1TL3	BATHROOM	141	NO CHANGE	
	1TL4	BATHROOM	141	NO CHANGE	
	1UR1	BATHROOM	141	NO CHANGE	
	1UR2	BATHROOM	141	NO CHANGE	
	1UR3	BATHROOM	141	NO CHANGE	
	1WF1	HALL	146	NO CHANGE	
	2FD1	CHILLER/STORAGE	201	NO CHANGE	
	2FD2	CHILLER/STORAGE	201	NO CHANGE	
	2FD3	CHILLER/STORAGE	201	NO CHANGE	
	2FD4	CHILLER/STORAGE	201	NO CHANGE	
9-21-OPN-2 05A066	1CD62	LABORATORY	131	NO CHANGE	YES
	1CD63	LABORATORY	131	NO CHANGE	
	1CD64	LABORATORY	131	NO CHANGE	
	1CD65	LABORATORY	131	NO CHANGE	
	1CD66	LABORATORY	131	NO CHANGE	
	1CD67	LABORATORY	132	NO CHANGE	
	1CD68	LABORATORY	132	NO CHANGE	
	1CD69	LABORATORY	132	NO CHANGE	
	1CD70	LABORATORY	132	NO CHANGE	
	1CD71	LABORATORY	132	NO CHANGE	
	1CD72	LABORATORY	132	NO CHANGE	
	1CD73	LABORATORY	132	NO CHANGE	
	1CD74	LABORATORY	132	NO CHANGE	
	1CD75	LABORATORY	133	NO CHANGE	
	1CD76	LABORATORY	133	NO CHANGE	
	1CD77	LABORATORY	133	NO CHANGE	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-2 05A066 CONT.	1CD81	LABORATORY	133	NO CHANGE	YES
	1CD82	LABORATORY	133	NO CHANGE	
	1CD83	LABORATORY	134	NO CHANGE	
	1CD84	LABORATORY	134	NO CHANGE	
	1CD85	LABORATORY	134	NO CHANGE	
	1CD86	LABORATORY	134	NO CHANGE	
	1CD87	LABORATORY	134	NO CHANGE	
	1CD88	LABORATORY	134	NO CHANGE	
	1CD89	LABORATORY	134	NO CHANGE	
	1CD90	LABORATORY	134	NO CHANGE	
	1CD91	LABORATORY	135	NO CHANGE	
	1CD92	LABORATORY	135	NO CHANGE	
	1CD93	LABORATORY	135	NO CHANGE	
	1CD94	LABORATORY	135	NO CHANGE	
	1CD95	LABORATORY	135	NO CHANGE	
	1CD96	LABORATORY	135	NO CHANGE	
	1CD97	LABORATORY	135	NO CHANGE	
	1CD98	LABORATORY	135	NO CHANGE	
	1CD99	LABORATORY	136	NO CHANGE	
	1CD100	LABORATORY	136	NO CHANGE	
	1CD101	LABORATORY	136	NO CHANGE	
	1CD102	LABORATORY	136	NO CHANGE	
	1CD103	LABORATORY	136	NO CHANGE	
	1CD104	LABORATORY	136	NO CHANGE	
	1CD105	LABORATORY	136	NO CHANGE	
	1CD106	LABORATORY	136	NO CHANGE	
	1CD107	LABORATORY	137	NO CHANGE	
	1CD108	LABORATORY	137	NO CHANGE	
	1CD109	LABORATORY	137	NO CHANGE	
	1CD110	LABORATORY	137	NO CHANGE	
	1CD111	LABORATORY	137	NO CHANGE	
	1CD112	LABORATORY	137	NO CHANGE	
	1CD113	LABORATORY	138	NO CHANGE	
	1CD114	LABORATORY	138	NO CHANGE	
	1CD115	LABORATORY	138	NO CHANGE	
	1CD116	LABORATORY	138	NO CHANGE	
	1CD117	LABORATORY	139	NO CHANGE	
	1CD118	LABORATORY	139	NO CHANGE	
	1CD119	LABORATORY	139	NO CHANGE	
	1CD120	LABORATORY	139	NO CHANGE	
	1CD121	LABORATORY	139	NO CHANGE	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-2	1CD125	LABORATORY	140	NO CHANGE	YES
05A066	1CD126	LABORATORY	140	NO CHANGE	
CONT.	1CD127	LABORATORY	140	NO CHANGE	
	1CD128	LABORATORY	140	NO CHANGE	
	1EW3	CORRIDOR	151	NO CHANGE	
	1EW4	CORRIDOR	151	NO CHANGE	
	1FD4	EQUIPMENT ROOM	201	NO CHANGE	
	1FD5	EQUIPMENT ROOM	201	NO CHANGE	
	1FD6	EQUIPMENT ROOM	201	MODIFY	
	1FD41	LABORATORY	131	S.O.P.	
	1FD42	LABORATORY	131	S.O.P.	
	1FD43	LABORATORY	131	S.O.P.	
	1FD44	LABORATORY	132	S.O.P.	
	1FD45	LABORATORY	132	S.O.P.	
	1FD46	LABORATORY	132	S.O.P.	
	1FD47	LABORATORY	133	S.O.P.	
	1FD48	LABORATORY	133	S.O.P.	
	1FD49	LABORATORY	133	S.O.P.	
	1FD50	LABORATORY	134	S.O.P.	
	1FD51	LABORATORY	134	S.O.P.	
	1FD52	LABORATORY	134	S.O.P.	
	1FD53	LABORATORY	135	S.O.P.	
	1FD54	LABORATORY	135	S.O.P.	
	1FD55	LABORATORY	135	S.O.P.	
	1FD56	LABORATORY	136	S.O.P.	
	1FD57	LABORATORY	136	S.O.P.	
	1FD58	LABORATORY	136	S.O.P.	
	1FD59	LABORATORY	137	S.O.P.	
	1FD60	LABORATORY	137	S.O.P.	
	1FD61	LABORATORY	137	S.O.P.	
	1FD62	LABORATORY	138	S.O.P.	
	1FD63	LABORATORY	138	S.O.P.	
	1FD64	LABORATORY	138	S.O.P.	
	1FD65	LABORATORY	139	S.O.P.	
	1FD66	LABORATORY	139	S.O.P.	
	1FD67	LABORATORY	139	S.O.P.	
	1FD68	LABORATORY	140	S.O.P.	
	1FD69	LABORATORY	140	S.O.P.	
	1FD70	LABORATORY	140	S.O.P.	
	1SD18	LABORATORY	131	NO CHANGE	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-2 05A066 CONT.	1SD21	LABORATORY	134	NO CHANGE	YES
	1SD22	LABORATORY	135	NO CHANGE	
	1SD23	LABORATORY	136	NO CHANGE	
	1SD24	LABORATORY	137	NO CHANGE	
	1SD25	LABORATORY	138	NO CHANGE	
	1SD26	LABORATORY	139	NO CHANGE	
	1SD27	LABORATORY	140	NO CHANGE	
	1SD28	LABORATORY	140	NO CHANGE	
9-21-OPN-3 05A066	1CD1	LABORATORY	117D	NO CHANGE	YES
	1CD2	LABORATORY	117D	NO CHANGE	
	1CD3	LABORATORY	117D	NO CHANGE	
	1CD4	LABORATORY	118	NO CHANGE	
	1CD5	LABORATORY	118	NO CHANGE	
	1CD6	LABORATORY	118	NO CHANGE	
	1CD7	LABORATORY	118	NO CHANGE	
	1CD8	LABORATORY	118	NO CHANGE	
	1CD9	LABORATORY	118	NO CHANGE	
	1CD10	LABORATORY	119	NO CHANGE	
	1CD11	LABORATORY	119	NO CHANGE	
	1CD12	LABORATORY	119	NO CHANGE	
	1CD13	LABORATORY	119	NO CHANGE	
	1CD14	LABORATORY	120	NO CHANGE	
	1CD15	LABORATORY	120	NO CHANGE	
	1CD16	LABORATORY	120	NO CHANGE	
	1CD17	LABORATORY	120	NO CHANGE	
	1CD18	LABORATORY	120	NO CHANGE	
	1CD19	LABORATORY	120	NO CHANGE	
	1CD20	LABORATORY	121	NO CHANGE	
	1CD21	LABORATORY	121	NO CHANGE	
	1CD22	LABORATORY	121	NO CHANGE	
	1CD23	LABORATORY	121	NO CHANGE	
	1CD24	LABORATORY	121	NO CHANGE	
	1CD25	LABORATORY	121	NO CHANGE	
	1CD26	LABORATORY	122	NO CHANGE	
	1CD27	LABORATORY	122	NO CHANGE	
	1CD28	LABORATORY	122	NO CHANGE	
	1CD29	LABORATORY	122	NO CHANGE	
	1CD30	LABORATORY	123	NO CHANGE	
	1CD31	LABORATORY	123	NO CHANGE	
	1CD32	LABORATORY	123	NO CHANGE	
	1CD33	LABORATORY	123	NO CHANGE	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-3 05A066 CONT.	1CD38	LABORATORY	124	NO CHANGE	YES
	1CD39	LABORATORY	124	NO CHANGE	
	1CD40	LABORATORY	124	NO CHANGE	
	1CD41	LABORATORY	124	NO CHANGE	
	1CD42	LABORATORY	124	NO CHANGE	
	1CD43	LABORATORY	125	NO CHANGE	
	1CD44	LABORATORY	125	NO CHANGE	
	1CD45	LABORATORY	125	NO CHANGE	
	1CD46	LABORATORY	125	NO CHANGE	
	1CD47	LABORATORY	125	NO CHANGE	
	1CD48	LABORATORY	125	NO CHANGE	
	1CD49	LABORATORY	125	NO CHANGE	
	1CD50	LABORATORY	126	NO CHANGE	
	1CD51	LABORATORY	126	NO CHANGE	
	1CD52	LABORATORY	126	NO CHANGE	
	1CD53	LABORATORY	126	NO CHANGE	
	1CD54	LABORATORY	126	NO CHANGE	
	1CD55	LABORATORY	127	NO CHANGE	
	1CD56	LABORATORY	127	NO CHANGE	
	1CD57	LABORATORY	127	NO CHANGE	
	1CD58	LABORATORY	127	NO CHANGE	
	1CD59	LABORATORY	127	NO CHANGE	
	1CD60	LABORATORY	127	NO CHANGE	
	1CD61	LABORATORY	127	NO CHANGE	
	1EW1	CORRIDOR	151	NO CHANGE	
	1EW2	CORRIDOR	151	NO CHANGE	
	1FD7	LABORATORY	117D	NO CHANGE	
	1FD8	LABORATORY	117A	NO CHANGE	
	1FD9	LABORATORY	117C	NO CHANGE	
	1FD10	LABORATORY	118	NO CHANGE	
	1FD11	LABORATORY	118	NO CHANGE	
	1FD12	LABORATORY	118	NO CHANGE	
	1FD13	LABORATORY	119	NO CHANGE	
	1FD14	LABORATORY	119	NO CHANGE	
	1FD15	LABORATORY	119	NO CHANGE	
	1FD16	LABORATORY	120	NO CHANGE	
	1FD17	LABORATORY	120	NO CHANGE	
	1FD18	LABORATORY	120	NO CHANGE	
	1FD19	LABORATORY	121	NO CHANGE	
	1FD20	LABORATORY	121	NO CHANGE	
	1FD21	LABORATORY	121	NO CHANGE	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-3 05A066 CONT.	1FD26	LABORATORY	123	NO CHANGE	YES
	1FD27	LABORATORY	123	NO CHANGE	
	1FD28	LABORATORY	124	NO CHANGE	
	1FD29	LABORATORY	124	NO CHANGE	
	1FD30	LABORATORY	124	NO CHANGE	
	1FD31	LABORATORY	125	NO CHANGE	
	1FD32	LABORATORY	125	NO CHANGE	
	1FD33	LABORATORY	125	NO CHANGE	
	1FD34	LABORATORY	126	NO CHANGE	
	1FD35	LABORATORY	126	NO CHANGE	
	1FD36	LABORATORY	126	NO CHANGE	
	1FD37	LABORATORY	127	NO CHANGE	
	1FD38	LABORATORY	127	NO CHANGE	
	1FD39	LABORATORY	127	NO CHANGE	
	1FD40	LABORATORY	128	NO CHANGE	
	1SD3	LABORATORY	117A	NO CHANGE	
	1SD4	LABORATORY	117D	NO CHANGE	
	1SD5	LABORATORY	118	NO CHANGE	
	1SD6	LABORATORY	119	NO CHANGE	
	1SD7	LABORATORY	120	NO CHANGE	
	1SD8	LABORATORY	121	NO CHANGE	
	1SD9	LABORATORY	122	NO CHANGE	
	1SD10	LABORATORY	123	NO CHANGE	
	1SD11	LABORATORY	124	NO CHANGE	
	1SD12	LABORATORY	125	NO CHANGE	
	1SD13	LABORATORY	126	NO CHANGE	
	1SD14	LABORATORY	127	NO CHANGE	
9-21-OPN-4 SANITARY	1IM1	HALL	151	NO CHANGE	NO
	1LV5	RESTROOM	129	NO CHANGE	
	1SD15	STAIRWELL	129A	NO CHANGE	
	1SD16	LABORATORY	130A	LABEL	
	1SD17	LABORATORY	130	LABEL	
	1TL5	RESTROOM	129	NO CHANGE	
	1WF2	HALL	151	NO CHANGE	
9-21-OPN-5	N/A	FIRE LINE DRAIN	143	NOI	NO
9-21-OPN-6 05A066 STORM	RD1	ROOF	N/A	MODIFY	YES
	RD2	ROOF	N/A	MODIFY	
	RD3	ROOF	N/A	MODIFY	
	RD6	ROOF	N/A	MODIFY	
	RD12	ROOF	N/A	MODIFY	
	RD13	ROOF	N/A	MODIFY	

TABLE 2: TA 9-21 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-21-OPN-6 05A066 CONT.	RD18	ROOF	N/A	MODIFY	YES
	RD19	ROOF	N/A	MODIFY	
	RD20	ROOF	N/A	MODIFY	
	RD21	ROOF	N/A	MODIFY	
	RD22	ROOF	N/A	MODIFY	
	RD23	ROOF	N/A	MODIFY	
	RD24	ROOF	N/A	MODIFY	
	RD32	ROOF	N/A	MODIFY	
9-21-OPN-7 05A066 STORM	RD4	ROOF	N/A	MODIFY	YES
	RD5	ROOF	N/A	MODIFY	
	RD7	ROOF	N/A	MODIFY	
	RD8	ROOF	N/A	MODIFY	
	RD9	ROOF	N/A	MODIFY	
	RD10	ROOF	N/A	MODIFY	
	RD11	ROOF	N/A	MODIFY	
	RD25	ROOF	N/A	MODIFY	
	RD26	ROOF	N/A	MODIFY	
	RD27	ROOF	N/A	MODIFY	
	RD28	ROOF	N/A	MODIFY	
	RD29	ROOF	N/A	MODIFY	
	RD30	ROOF	N/A	MODIFY	
	RD31	ROOF	N/A	MODIFY	

TABLE 3: TA 9-28 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-28-OPN-1 SANITARY	1FD1	RESTROOM	105	NO CHANGE	NO
	1LV1	RESTROOM	105	NO CHANGE	
	1SD1	HALL	106	NO CHANGE	
	1SD2	JANITOR'S CLOSET	105	NO CHANGE	
	1TL1	RESTROOM	105	NO CHANGE	
	1WF1	HALL	106	NO CHANGE	
9-28-OPN-2 05A066	RD1	ROOF	N/A	MODIFY	YES
9-28-OPN-3 05A066	RD2	ROOF	N/A	MODIFY	YES
9-28-OPN-4 05A066	RD3	ROOF	N/A	MODIFY	YES
9-28-OPN-5	RD4	ROOF	N/A	MODIFY	YES
05A066	RD8	ROOF	N/A	MODIFY	
9-28-OPN-6	RD5	ROOF	N/A	MODIFY	YES
05A066					
9-28-OPN-7	RD6	ROOF	N/A	MODIFY	YES
05A066	RD7	ROOF	N/A	MODIFY	
9-28-OPN-8	N/A	STEAM PRESS. RELIEF	107	NOI	NO
9-28-OPN-9	N/A	STEAM PRESS. RELIEF	107	NOI	NO

TABLE 4: TA 9-29 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-29-OPN-1 SANITARY	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD2	UTILITY ROOM	107	NO CHANGE	
	1LV1	RESTROOM	104	NO CHANGE	
	1SD1	JANITOR'S CLOSET	103	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
	1WF1	HALL	N/A	NO CHANGE	
9-29-OPN-2 05A066	RD1	ROOF	N/A	MODIFY	YES
9-29-OPN-3 05A066	RD2	ROOF	N/A	MODIFY	YES
	RD9	ROOF	N/A	MODIFY	
9-29-OPN-4 05A066	RD3	ROOF	N/A	MODIFY	YES
	RD10	ROOF	N/A	MODIFY	
9-29-OPN-5 05A066	RD4	ROOF	N/A	MODIFY	YES
9-29-OPN-6 05A066	RD5	ROOF	N/A	MODIFY	YES
9-29-OPN-7 05A066	RD6	ROOF	N/A	MODIFY	YES
9-29-OPN-8 05A066	RD7	ROOF	N/A	MODIFY	YES
9-29-OPN-9 05A066	RD8	ROOF	N/A	MODIFY	YES
9-29-OPN-10	N/A	FIRE LINE DRAIN	101	NOI	NO
9-29-OPN-11	N/A	FIRE LINE DRAIN	107	NOI	NO
9-29-OPN-12	N/A	STEAM VENT	107	NOI	NO
9-29-OPN-13	N/A	STEAM PRESS. RELIEF	107	NOI	NO

TABLE 5: TA 9-31 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-31-OPN-1	1TD1	CHEMICAL STORAGE	N/A	PLUG	NO
9-31-OPN-2	1TD2	CHEMICAL STORAGE	N/A	PLUG	NO

TABLE 6: TA 9-32 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-32-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	106	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	103	NO CHANGE	
	1FD3	EQUIPMENT ROOM	103	NO CHANGE	
	1LV1	RESTROOM	106	NO CHANGE	
	1SD2	RESTROOM	106	NO CHANGE	
	1TL1	RESTROOM	106	NO CHANGE	
9-32-OPN-2 05A066	1CD1	LABORATORY	105	NO CHANGE	YES
	1CD2	LABORATORY	105	NO CHANGE	
	1CD3	LABORATORY	105	NO CHANGE	
	1CD4	LABORATORY	105	NO CHANGE	
	1CD5	LABORATORY	105	NO CHANGE	
	1CD6	LABORATORY	105	NO CHANGE	
	1CD7	LABORATORY	104	NO CHANGE	
	1CD8	LABORATORY	104	NO CHANGE	
	1CD9	LABORATORY	104	NO CHANGE	
	1CD10	LABORATORY	104	NO CHANGE	
	1CD11	LABORATORY	104	NO CHANGE	
	1CD12	LABORATORY	104	NO CHANGE	
	1EW1	HALL	107	NO CHANGE	
	1FD6	LABORATORY	105	NO CHANGE	
	1FD7	LABORATORY	104	NO CHANGE	
	1SD3	LABORATORY	105	NO CHANGE	
	1SD4	LABORATORY	104	NO CHANGE	
	1SD5	LABORATORY	102	NO CHANGE	
	1WF1	HALL	107	NO CHANGE	
9-32-OPN-3 05A066	1FD8	LABORATORY	102	NO CHANGE	YES
9-32-OPN-4 05A066	1FD9	LABORATORY	102	NO CHANGE	YES
	1FD10	LABORATORY	102	NO CHANGE	
	1FD11	LABORATORY	102	NO CHANGE	
9-32-OPN-5 05A066	1FD4	EQUIPMENT ROOM	103	GO TO HE SUMP	YES
	1FD5	LABORATORY	101	NO CHANGE	
	1SD1	LABORATORY	101	NO CHANGE	
9-32-OPN-6 05A066	RD1	ROOF	N/A	MODIFY	YES
9-32-OPN-7 05A066	RD2	ROOF	N/A	MODIFY	YES
9-32-OPN-8 05A066	RD3	ROOF	N/A	MODIFY	YES
9-32-OPN-9 05A066	RD4	ROOF	N/A	MODIFY	YES

TABLE 6: TA 9-32 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-32-OPN-10 05A066	RD5	ROOF	N/A	MODIFY	YES
9-32-OPN-11 05A066	RD6	ROOF	N/A	MODIFY	YES
9-32-OPN-12	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-32-OPN-13	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-32-OPN-14	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-32-OPN-15	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-32-OPN-16	N/A	VACUUM TANK RELIEF	103	NOI	NO

TABLE 7: TA 9-33 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-33-OPN-1 SANITARY (SWSC)	1EW1	HALL	N/A	NO CHANGE	NO
	1FD1	RESTROOM	104	NO CHANGE	
	1FD2	EQUIPMENT ROOM	103	NO CHANGE	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-33-OPN-2 05A066	1FD3	LABORATORY	101	NO CHANGE	YES
	1FD4	LABORATORY	101	NO CHANGE	
9-33-OPN-3 05A066	1FD5	LABORATORY	102	NO CHANGE	YES
9-33-OPN-4 05A066	RD1	ROOF	N/A	MODIFY	YES
9-33-OPN-5 05A066	RD2	ROOF	N/A	MODIFY	YES
9-33-OPN-6 FORM 2D	N/A	COOLING TOWER BLOWDOWN	EXTER.	PERMIT/ELIMIN.	YES
9-33-OPN-7	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-33-OPN-8	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-33-OPN-9	N/A	STEAM PRESS. RELIEF	103	NOI	NO

TABLE 8: TA 9-34 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-34-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD3	EQUIPMENT ROOM	103	NO CHANGE	
	1FD4	EQUIPMENT ROOM	105	NO CHANGE	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-34-OPN-2 05A067	1FD2	EQUIPMENT ROOM	105	PIPE TO S.S.	YES
	1SD1	LABORATORY	103	NO CHANGE	
9-34-OPN-3 05A067	1FD5	HYDRAULIC PRESS.	101	PLUG	YES
	1FD7	HYDRAULIC PRESS.	101	PLUG/ALARM	
9-34-OPN-4 05A067	1FD6	HYDRAULIC PRESS.	101	PLUG	YES
	1FD8	HYDRAULIC PRESS.	101	PLUG/ALARM	
9-34-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-34-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
9-34-OPN-7 05A067	RD3	ROOF	N/A	MODIFY	YES
9-34-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-34-OPN-9 05A067	RD5	ROOF	N/A	MODIFY	YES
9-34-OPN-10	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-34-OPN-11	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-34-OPN-12	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-34-OPN-13	N/A	STEAM PRESS. RELIEF	105	NOI	NO

TABLE 9: TA 9-35 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-35-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD3	EQUIPMENT ROOM	105	NO CHANGE	
	1FD4	EQUIPMENT ROOM	105	PLUG	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-35-OPN-2 05A067	1FD2	EQUIPMENT ROOM	105	PIPE TO S.S.	YES
	1SD1	LABORATORY	103	NO CHANGE	
9-35-OPN-3 05A067	1FD5	HYDRAULIC PRESS.	101	PLUG	YES
	1FD7	HYDRAULIC PRESS.	101	PLUG/ALARM	
9-35-OPN-4 05A067	1FD6	HYDRAULIC PRESS.	101	PLUG	YES
	1FD8	HYDRAULIC PRESS.	101	PLUG/ALARM	
9-35-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-35-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
	RD3	ROOF	N/A	MODIFY	
9-35-OPN-7	N/A	HVAC CONDENSATE	106	NOI	NO
9-35-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-35-OPN-9 05A067	RD5	ROOF	N/A	MODIFY	YES
9-35-OPN-10	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-35-OPN-11	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-35-OPN-12	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-35-OPN-13	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-35-OPN-14	N/A	STEAM CONDENSATE	105	NOI	NO
9-35-OPN-15	N/A	OVEN FLUE	101	NO CHANGE	NO

TABLE 10: TA 9-37 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-37-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	105	PLUG	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-37-OPN-2 05A067	1FD3	PROCESS	101	NO CHANGE	YES
	1TD1	PROCESS	101	NO CHANGE	
9-37-OPN-3 05A067	1CD1	PROCESS	101	NO CHANGE	YES
	1FD4	PROCESS	101	NO CHANGE	
	1FD5	PROCESS	101	NO CHANGE	
	1TD2	PROCESS	101	NO CHANGE	
9-37-OPN-4 05A067	RD1	ROOF	N/A	MODIFY	YES
9-37-OPN-5 05A067	RD2	ROOF	N/A	MODIFY	YES
9-37-OPN-6 05A067	RD3	ROOF	N/A	MODIFY	YES
9-37-OPN-7 05A067	RD4	ROOF	N/A	MODIFY	YES
9-37-OPN-8 05A067	RD5	ROOF	N/A	MODIFY	YES
9-37-OPN-9	N/A	STEAM VENT	105	NOI	NO
9-37-OPN-10	N/A	STEAM VENT	105	NOI	NO
9-37-OPN-11	N/A	STEAM CONDENSATE	105	NOI	NO
9-37-OPN-12	N/A	HOOD VENT	101	NOI	NO
9-37-OPN-13	N/A	AIR COMPRESSOR	105	CONTAINERIZE	NO

TABLE 11: TA 9-38 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-38-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	105	PLUG	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-38-OPN-2 05A067	1FD3	PROCESS	101	NO CHANGE	YES
	1TD1	PROCESS	101	NO CHANGE	
9-38-OPN-3 05A067	1FD4	PROCESS	101	NO CHANGE	YES
	1FD5	PROCESS	101	NO CHANGE	
	1TD2	PROCESS	101	NO CHANGE	
9-38-OPN-4 05A067	RD1	ROOF	N/A	MODIFY	YES
9-38-OPN-5 05A067	RD2	ROOF	N/A	MODIFY	YES
9-38-OPN-6 05A067	RD3	ROOF	N/A	MODIFY	YES
9-38-OPN-7 05A067	RD4	ROOF	N/A	MODIFY	YES
9-38-OPN-8 05A067	RD5	ROOF	N/A	RE-PIPE PRESS. TANK DISCH.	YES
9-38-OPN-9	N/A	STEAM VENT	105	NOI	NO
9-38-OPN-10	N/A	STEAM VENT	105	NOI	NO
9-38-OPN-11	N/A	STEAM VENT	105	NOI	NO
9-38-OPN-12	N/A	STEAM CONDENSATE	105	NOI	NO
9-38-OPN-13	N/A	STEAM HOSE CONN.	105	NOI	NO
9-38-OPN-14	N/A	AIR COMPRESSOR	105	CONTAINERIZE	NO

TABLE 12: TA 9-40 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-40-OPN-1 05A066	1FD1	ENVIRON. CHAMBER	HALL	PLUG	YES
9-40-OPN-2 05A066	1FD2	ENVIRON. CHAMBER	106	PLUG/ALARM	YES
9-40-OPN-3 05A066	1FD3	ENVIRON. CHAMBER	105	PLUG/ALARM	YES
9-40-OPN-4 05A066	1FD4	ENVIRON. CHAMBER	104	PLUG/ALARM	YES
9-40-OPN-5 05A066	1FD5	ENVIRON. CHAMBER	103	PLUG/ALARM	YES
9-40-OPN-6 05A066	1FD6	ENVIRON. CHAMBER	102	PLUG/ALARM	YES
9-40-OPN-7 05A066	1FD7	ENVIRON. CHAMBER	101	PLUG/ALARM	YES
9-40-OPN-8	N/A	STEAM PRESS. RELIEF	107	NOI	NO

TABLE 13: TA 9-41 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-41-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	102	NO CHANGE	NO
	1FD2	XFMR. VAULT	103	PLUG	
	1LV1	RESTROOM	102	NO CHANGE	
	1TL1	RESTROOM	102	NO CHANGE	
	1TL2	RESTROOM	102	NO CHANGE	
	1UR1	RESTROOM	102	NO CHANGE	
	1WF1	BREAK ROOM	101	NO CHANGE	
9-41-OPN-2	N/A	STEAM PRESS. RELIEF	103	NOI	NO
9-41-OPN-3	N/A	STEAM PRESS. RELIEF	103	NOI	NO

TABLE 14: TA 9-42 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-42-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD3	PROCESS	105A	PLUG	
	1FD4	PROCESS	105B	PLUG	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-42-OPN-2 05A067	1FD2	PROCESS	105A	PLUG	YES
	1SD1	PROCESS	103	NO CHANGE	
9-42-OPN-3 05A067	1FD5	PROCESS	101	PLUG	YES
	1FD7	PROCESS	101	PLUG/ALARM	
9-42-OPN-4 05A067	1FD6	PROCESS	101	PLUG/ALARM	YES
	1FD8	PROCESS	101	PLUG/ALARM	
9-42-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-42-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
9-42-OPN-7 05A067	RD3	ROOF	N/A	MODIFY	YES
9-42-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-42-OPN-9	N/A	STEAM CONDENSATE	105	NOI	NO
9-42-OPN-10	N/A	COMPRESSOR BLWDN	105	CONTAINERIZE	NO
9-42-OPN-11	N/A	DISCONNECTED	105	ELIMINATE	NO
9-42-OPN-12	N/A	DISCONNECTED	105	ELIMINATE	NO
9-42-OPN-13	N/A	DISCONNECTED	105	ELIMINATE	NO
9-42-OPN-14	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-42-OPN-15	N/A	STEAM PRESS. RELIEF	105	NOI	NO

TABLE 15: TA 9-43 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-43-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1FD3	EQUIPMENT ROOM	105	PLUG	
	1FD4	EQUIPMENT ROOM	105	PLUG	
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-43-OPN-2	1FD2	EQUIPMENT ROOM	105	PLUG	YES
05A067	1SD1	LABORATORY	103	NO CHANGE	
9-43-OPN-3 05A067	1FD6	HYDRAULIC PRESS.	101	NO CHANGE	YES
9-43-OPN-4	1FD5	HYDRAULIC PRESS.	101	NO CHANGE	YES
05A067	1FD7	HYDRAULIC PRESS.	101	NO CHANGE	
9-43-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-43-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
9-43-OPN-7 05A067	RD3	ROOF	N/A	MODIFY	YES
9-43-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-43-OPN-9 05A067	RD5	ROOF	N/A	MODIFY	YES
9-43-OPN-10	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-43-OPN-11	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-43-OPN-12	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-43-OPN-13	N/A	COMPRESS. AIR TANK	105	CONTAINERIZE	NO
9-43-OPN-14	N/A	COMPRESSOR DISCH	105	CONTAINERIZE	NO
9-43-OPN-15	N/A	OVEN FLUE	101	NO CHANGE	NO

TABLE 16: TA 9-45 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-45-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	PIPE TO SWSC	NO
	1FD2	EQUIPMENT ROOM	105	PLUG	
	1FD3	EQUIPMENT ROOM	105	PLUG	
	1LV1	RESTROOM	104	PIPE TO SWSC	
	1TL1	RESTROOM	104	PIPE TO SWSC	
9-45-OPN-2 05A067	1FD4	PROCESS	101	NO CHANGE	YES
	1FD5	PROCESS	101	NO CHANGE	
	1SD1	PROCESS	101	NO CHANGE	
9-45-OPN-3 05A067	1EW1	PROCESS	101	NO CHANGE	YES
	1FD6	PROCESS	101	NO CHANGE	
	1FD7	PROCESS	101	NO CHANGE	
9-45-OPN-4 05A067	1ED1	PROCESS	101	NO CHANGE	YES
	1FD8	PROCESS	101	NO CHANGE	
9-45-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-45-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
9-45-OPN-7 05A067	RD3	ROOF	N/A	MODIFY	YES
9-45-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-45-OPN-9 05A067	RD5	ROOF	N/A	MODIFY	YES
9-45-OPN-10	N/A	FIRE LINE DRAIN	N/A	NOI	NO
9-45-OPN-11	N/A	STEAM PRESS. RELIEF	N/A	NOI	NO
9-45-OPN-12	N/A	STEAM PRESS. RELIEF	N/A	NOI	NO
9-45-OPN-13	N/A	CONDENSATE VENT	N/A	NOI	NO
9-45-OPN-14	N/A	CONDENSATE VENT	N/A	NOI	NO
9-45-OPN-15	N/A	DISCONNECTED	N/A	ELIMINATE	NO

TABLE 17: TA 9-46 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-46-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	104	NO CHANGE	NO
	1LV1	RESTROOM	104	NO CHANGE	
	1TL1	RESTROOM	104	NO CHANGE	
9-46-OPN-2 05A067	1FD2	PROCESS	105	NO CHANGE	YES
	1FD5	PROCESS	105	NO CHANGE	
	1SD1	PROCESS	103	NO CHANGE	
9-46-OPN-3 05A067	1FD3	PROCESS	101	NO CHANGE	YES
9-46-OPN-4 05A067	1FD4	PROCESS	103	NO CHANGE	YES
9-46-OPN-5 05A067	RD1	ROOF	N/A	MODIFY	YES
9-46-OPN-6 05A067	RD2	ROOF	N/A	MODIFY	YES
9-46-OPN-7 05A067	RD3	ROOF	N/A	MODIFY	YES
9-46-OPN-8 05A067	RD4	ROOF	N/A	MODIFY	YES
9-46-OPN-9 05A067	RD5	ROOF	N/A	MODIFY	YES
9-46-OPN-10	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-46-OPN-11	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-46-OPN-12	N/A	STEAM PRESS. RELIEF	105	NOI	NO
9-46-OPN-13	N/A	DISCONNECTED	105	ELIMINATE	NO
9-46-OPN-14	N/A	COMPRESS. BLWDWN	105	CONTAINERIZE	NO

TABLE 18: TA 9-48 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-48-OPN-1 SANITARY (SWSC)	1FD1	EQUIPMENT ROOM	108	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	108	NO CHANGE	
	1LV1	RESTROOM	107	NO CHANGE	
	1TL1	RESTROOM	107	NO CHANGE	
9-48-OPN-2 SANITARY (SWSC)	1WF1	HALL	N/A	NO CHANGE	NO
9-48-OPN-3 05A068	1TD4	HE MACHINING	BAY 1	NO CHANGE	YES
9-48-OPN-4 05A068	1TD3	HE MACHINING	BAY 2	NO CHANGE	YES
9-48-OPN-5 05A068	1TD2	HE MACHINING	BAY 3	NO CHANGE	YES
9-48-OPN-6 05A068	1TD1	HE MACHINING	BAY 4	NO CHANGE	YES
9-48-OPN-7 05A068	RD1	ROOF	N/A	MODIFY	YES
9-48-OPN-8 05A068	RD2	ROOF	N/A	MODIFY	YES
9-48-OPN-9 05A068	RD3	ROOF	N/A	MODIFY	YES
9-48-OPN-10 05A068	RD4	ROOF	N/A	MODIFY	YES
9-48-OPN-11	N/A	COMPRESSOR INLET	108	NOI	NO
9-48-OPN-12	N/A	VACUUM PUMP VENT	108	NOI	NO
9-48-OPN-13	N/A	VACUUM PUMP VENT	108	NOI	NO
9-48-OPN-14	N/A	STEAM PRESS. RELIEF	108	NOI	NO
9-48-OPN-15	N/A	STEAM PRESS. RELIEF	108	NOI	NO
9-48-OPN-16	N/A	STEAM CONDENSATE	EXTER.	NOI	NO
9-48-OPN-17	N/A	STEAM CONDENSATE	EXTER.	NOI	NO
9-48-OPN-18	N/A	STEAM CONDENSATE	EXTER	NOI	NO

TABLE 19: TA 9-50 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-50-OPN-1 SANITARY (SWSC)	1FD1	RESTROOM	102	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	101	NO CHANGE	
	1LV1	RESTROOM	102	NO CHANGE	
	1TL1	RESTROOM	102	NO CHANGE	
9-50-OPN-2 04A155	1FD3	LABORATORY	104	PLUG	YES
	1FD4	LABORATORY	104	PLUG	
	1SD1	LABORATORY	104	ELIM/PIPE TO SS	
9-50-OPN-3	RD1	ROOF	N/A	REPIPE OR LOCATE	NO
9-50-OPN-4	RD2	ROOF	N/A	REPIPE OR LOCATE	NO
9-50-OPN-5	N/A	DISCONNECTED	101	REMOVE	NO

TABLE 20: TA 9-51 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-51-OPN-1 SANITARY (SWSC)	1FD1	EQUIPMENT ROOM	103	NO CHANGE	NO
	1FD2	EQUIPMENT ROOM	103	PLUG	
	1FD3	EQUIPMENT ROOM	103	CONTAINERIZE	
	1FD4	VAULT	101	PLUG	
	1FD5	EQUIPMENT ROOM	105	NO CHANGE	
	1LV1	RESTROOM	103	NO CHANGE	
	1TL1	RESTROOM	103	NO CHANGE	
	1WF1	EQUIPMENT ROOM	103	NO CHANGE	
9-51-OPN-2	RD1	ROOF	N/A	REPIPE OR LOCATE	NO
9-51-OPN-3	RD2	ROOF	N/A	REPIPE OR LOCATE	NO
9-51-OPN-4	N/A	EXPANS. TANK VENT	N/A	NOI	NO
9-51-OPN-5	N/A	STEAM PRESS. RELIEF	N/A	NOI	NO
9-51-OPN-6	N/A	STEAM PRESS. RELIEF	N/A	NOI	NO
9-51-OPN-7	N/A	GAS BLEED VENT	N/A	NOI	NO
9-51-OPN-8	N/A	BOILER VENT	N/A	NOI	NO
9-51-OPN-9	N/A	BOILER BLWDN VENT	N/A	NOI	NO

TABLE 21: TA 9-214 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
9-214-OPN-1	N/A	STEAM PRESS. RELIEF	N/A	NOI	NO
9-214-OPN-2	N/A	COMPRESS. BLWDWN	OUT	CONTAINER./NOI	NO

TABLE 22: NON-DRAIN RECOMMENDATIONS

TA #	BLDG. #	ROOM/AREA	RECOMMENDATION
9	ALL AREAS	SEPTIC TANKS	VERIFY THAT ALL INLETS AND OUTLETS ARE PLUGGED OR THAT THE TANK HAS BEEN REMOVED
9	ALL BLDGS	ALL	INSURE THAT ALL SANITARY DRAINS ARE POSTED WITH SIGN "SANITARY DRAIN - NO CHEMICAL DISPOSAL"

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	20	TA-9-20	DAYLIGHT	N/A	N/A	GUARD STA.			NO FLOW	No	NONE
9	21	9-21-OPN-1	01S VIA 13S	1FD1	141	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	1FD2	141	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	1FD3	141	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	1LV1	142	RESTROOM	25	GPD	5DAYS PER WEEK	No	SANITARY RINSE
9	21	9-21-OPN-1	01S VIA 13S	1LV2	141	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	21	9-21-OPN-1	01S VIA 13S	1LV3	141	RESTROOM	25	GPD	5DAYS PER WEEK	No	LAVATORY
9	21	9-21-OPN-1	01S VIA 13S	1LV4	141	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	21	9-21-OPN-1	01S VIA 13S	1SD1	102	KITCHEN	10	GPD	5 DAYS PER WEEK	No	KITCHEN SINK
9	21	9-21-OPN-1	01S VIA 13S	1SD5	116	RESTROOM	10	GPD	5 DAYS PER WEEK	No	SHOWER
9	21	9-21-OPN-1	01S VIA 13S	1SH1	142	RESTROOM	50	GPD	5 DAYS PER WEEK	No	SANITARY RINSE
9	21	9-21-OPN-1	01S VIA 13S	1SH2	141	RESTROOM	50	GPD	5 DAYS PER WEEK	No	SHOWER
9	21	9-21-OPN-1	01S VIA 13S	1SH3	141	RESTROOM	50	GPD	5 DAYS PER WEEK	No	SHOWER
9	21	9-21-OPN-1	01S VIA 13S	1SH4	141	RESTROOM	50	GPD	5 DAYS PER WEEK	No	SHOWER
9	21	9-21-OPN-1	01S VIA 13S	1TL1	142	RESTROOM	75	GPD	5 DAYS PER WEEK	No	TOILET
9	21	9-21-OPN-1	01S VIA 13S	1TL2	141	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	21	9-21-OPN-1	01S VIA 13S	1TL3	141	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	21	9-21-OPN-1	01S VIA 13S	1TL4	141	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	21	9-21-OPN-1	01S VIA 13S	1UR1	141	RESTROOM	10	GPD	5 DAYS PER WEEK	No	URINAL
9	21	9-21-OPN-1	01S VIA 13S	1UR2	141	RESTROOM	10	GPD	5 DAYS PER WEEK	No	URINAL
9	21	9-21-OPN-1	01S VIA 13S	1UR3	141	RESTROOM	10	GPD	5 DAYS PER WEEK	No	URINAL
9	21	9-21-OPN-1	01S VIA 13S	1WF1	146	HALL	10	GPD	5 DAYS PER WEEK	No	DRINKING WATER
9	21	9-21-OPN-1	01S VIA 13S	2FD1	201	CHILLER/STORAGE			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	2FD2	201	CHILLER/STORAGE	1	GPM	FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	2FD3	201	CHILLER/STORAGE			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-1	01S VIA 13S	2FD4	201	CHILLER/STORAGE			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-2	05A066	1CD062	131	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD063	131	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD064	131	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD065	131	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD066	131	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD067	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD068	132	LABORATORY			FLOW IS NIL	No	LAB RINSE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-2	05A066	1CD069	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD070	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD071	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD072	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD073	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD074	132	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD075	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD076	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD077	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD078	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD079	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD080	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD081	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD082	133	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD083	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD084	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD085	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD086	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD087	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD088	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD089	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD090	134	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD091	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD092	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD093	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD094	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD095	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD096	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD097	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD098	135	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD099	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD100	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD101	136	LABORATORY			FLOW IS NIL	No	LAB RINSE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-2	05A066	1CD102	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD103	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD104	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD105	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD106	136	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD107	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD108	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD109	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD110	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD111	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD112	137	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD113	138	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD114	138	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD115	138	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD116	138	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD117	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD118	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD119	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD120	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD121	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD122	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD123	139	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD124	140	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD125	140	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1CD128	140	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-2	05A066	1EW3	151	HALL			FLOW IS NIL	No	EYE WASH
9	21	9-21-OPN-2	05A066	1EW4	151	HALL			FLOW IS NIL	No	EYE WASH
9	21	9-21-OPN-2	05A066	1FD04	143	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSED AIR TANK BLOWD
9	21	9-21-OPN-2	05A066	1FD05	143	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD06	143	EQUIPMENT ROOM	8	GPM	7 DAYS PER WEEK	No	VACUUM PUMP COOLING
9	21	9-21-OPN-2	05A066	1FD41	131	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD42	131	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD43	131	LABORATORY			FLOW IS NIL	No	NONE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-2	05A066	1FD44	132	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD45	132	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD46	132	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD47	133	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD48	133	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD49	133	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD50	134	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD51	134	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD52	134	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD53	135	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD54	135	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD55	135	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD56	136	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD57	136	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD58	136	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD59	137	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD60	137	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD61	137	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD62	138	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD63	138	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD64	138	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD65	139	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD66	139	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD67	139	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD68	140	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD69	140	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1FD70	140	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-2	05A066	1SD18	131	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD19	132	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD20	133	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD21	134	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD22	135	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD23	136	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM	RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-2	05A066	1SD24	137	LABORATORY				5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD25	138	LABORATORY				5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD26	139	LABORATORY				5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD27	140	LABORATORY				5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-2	05A066	1SD28	140	LABORATORY				5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1CD01	117D	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD02	117D	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD03	117D	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD04	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD05	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD06	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD07	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD08	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD09	118	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD10	119	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD11	119	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD12	119	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD13	119	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD14	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD15	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD16	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD17	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD18	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD19	120	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD20	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD21	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD22	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD23	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD24	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD25	121	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD26	122	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD28	122	LABORATORY				FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD29	122	LABORATORY				FLOW IS NIL	No	LAB RINSE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-3	05A066	1CD30	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD31	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD32	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD33	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD34	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD35	123	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD36	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD37	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD38	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD39	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD40	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD41	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD42	124	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD43	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD44	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD45	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD46	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD47	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD48	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD49	125	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD50	126	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD51	126	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD52	126	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD53	126	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD54	126	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD55	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD56	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD57	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD58	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD59	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD60	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1CD61	127	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	21	9-21-OPN-3	05A066	1EW1	151	HALL			FLOW IS NIL	No	EYE WASH

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-3	05A066	1EW2	151	HALL			FLOW IS NIL	No	EYE WASH
9	21	9-21-OPN-3	05A066	1FD10	118	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD11	118	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD12	118	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD13	119	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD14	119	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD15	119	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD16	120	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD17	120	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD18	120	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD19	121	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD20	121	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD21	121	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD22	122	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD23	122	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD24	122	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD25	123	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD26	123	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD27	123	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD28	124	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD29	124	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD30	124	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD31	125	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD32	125	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD33	125	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD34	126	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD35	126	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD36	126	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD37	127	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD38	127	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD39	127	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD40	128	LABORATORY			FLOW IS NIL	No	NONE
9	21	9-21-OPN-3	05A066	1FD7	117D	LABORATORY			FLOW IS NIL	No	FLOOR WASHING

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-3	05A066	1FD8	117A	LABORATORY			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-3	05A066	1FD9	117C	DARK ROOM			FLOW IS NIL	No	FLOOR WASHING
9	21	9-21-OPN-3	05A066	1SD10	123	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD11	124	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD12	125	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD13	126	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD14	127	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD3	117A	LABORATORY	50	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD4	117D	LABORATORY	50	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD5	118	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD6	119	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD7	120	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD8	121	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-3	05A066	1SD9	122	LABORATORY			5 DAYS PER WEEK	No	RINSE WATER
9	21	9-21-OPN-4	01S VIA 13S	1IM1	151	HALL			7 DAYS PER WEEK	No	ICE MACHINE DRAINAGE
9	21	9-21-OPN-4	01S VIA 13S	1LV5	129	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	21	9-21-OPN-4	01S VIA 13S	1SD15	129A	JANITOR'S CLOSET	25	GPD	5 DAYS PER WEEK	No	JANITOR'S SINK
9	21	9-21-OPN-4	01S VIA 13S	1SD16	130A	LABORATORY	25	GPD	5 DAYS PER WEEK	No	HAND WASHING
9	21	9-21-OPN-4	01S VIA 13S	1SD17	130	LABORATORY	25	GPD	5 DAYS PER WEEK	No	HAND WASHING
9	21	9-21-OPN-4	01S VIA 13S	1TL5	129	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	21	9-21-OPN-4	01S VIA 13S	1WF2	151	HALL			5 DAYS PER WEEK	No	WATER FOUNTAIN
9	21	9-21-OPN-5	DAYLIGHT	N/A	143	NONE	0		ONCE ANNUALLY	No	FIRE LINE DRAIN
9	21	9-21-OPN-6	05A066	RD01	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD02	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD03	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD06	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD12	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD13	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD14	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD15	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD16	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD17	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD18	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	DESCRIPTION	ROOM RATE	FLOW	PERIODICITY	SEASONAL	SOURCE TYPES
9	21	9-21-OPN-6	05A066	RD19	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD20	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD21	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD22	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD23	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD24	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-6	05A066	RD32	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD04	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD05	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD07	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD08	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD09	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD10	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD11	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD25	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD26	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD27	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD28	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	21	9-21-OPN-7	05A066	RD29	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORMW WATER
9	21	9-21-OPN-7	05A066	RD30	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORMW WATER
9	21	9-21-OPN-7	05A066	RD31	ROOF	ROOF	500	GPY	MAINLY SUMMER	No	STORM WATER
9	22	TA 9-22	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOW	No	NO SOURCE
9	23	TA 9-23	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOW	No	NO SOURCE
9	24	TA 9-24	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOE	No	NO SOURCE
9	25	TA 9-25	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOW	No	NO SOURCE
9	26	TA 9-26	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOW	No	NO SOURCE
9	27	TA 9-27	DAYLIGHT	N/A	N/A	MAGAZETTE			NO FLOW	No	NO SOURCE
9	28	9-28-OPN-1	01S VIA 13S	1FD1	105	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	28	9-28-OPN-1	01S VIA 13S	1LAV1	105	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	28	9-28-OPN-1	01S VIA 13S	1SD1	106	HALL	25	GPD	5 DAYS PER WEEK	No	SANITARY RINSE
9	28	9-28-OPN-1	01S VIA 13S	1SD2	105	JANITOR'S CLOSET	10	GPD	5 DAYS PER WEEK	No	JANITOR'S SINK RINSE
9	28	9-28-OPN-1	01S VIA 13S	1TL1	105	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	28	9-28-OPN-1	01S VIA 13S	1WF1	106	HALL	10	GPD	5 DAYS PER WEEK	No	WATER FOUNTAIN

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	28	9-28-OPN-2	05A066	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-3	05A066	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-4	05A066	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-5	05A066	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-5	05A066	RD8	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-6	05A066	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-7	05A066	RD6	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-7	05A066	RD7	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	28	9-28-OPN-8	DAYLIGHT	N/A	107	UTILITY			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	28	9-28-OPN-9	DAYLIGHT	N/A	107	UTILITY			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	29	9-29-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			5 DAYS PER WEEK	No	FLOOR WASHING
9	29	9-29-OPN-01	01S VIA 13S	1FD2	107	UTILITY ROOM			5 DAYS PER WEEK	No	WATER HTR T/P REFLIEF
9	29	9-29-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	29	9-29-OPN-01	01S VIA 13S	1SD1	103	JANITOR'S CLOSET	10	GPD	5 DAYS PER WEEK	No	SANITARY RINSE
9	29	9-29-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	29	9-29-OPN-01	01S VIA 13S	1WF1	HALL	HALL			5 DAYS PER WEEK	No	WATER FOUNTAIN
9	29	9-29-OPN-02	05A066	RD01	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-03	05A066	RD02	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-03	05A066	RD09	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-04	05A066	RD03	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-04	05A066	RD10	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-05	05A066	RD04	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-06	05A066	RD05	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-07	05A066	RD06	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-08	05A066	RD07	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-09	05A066	RD08	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	29	9-29-OPN-10	DAYLIGHT	N/A	101	NONE	100	GPY	ONCE ANNUALLY	No	FIRE SYSTEM TEST
9	29	9-29-OPN-11	DAYLIGHT	N/A	107	NONE	100	GPY	ONCE ANNUALLY	No	FIRE SYSTEM TEST
9	29	9-29-OPN-12	DAYLIGHT	N/A	107	NONE			FLOW IS NIL	No	STEAM VENT/PURGE
9	29	9-29-OPN-13	DAYLIGHT	N/A	107	NONE			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	30	TA-9-30	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NO SOURCE
9	31	9-31-OPN-1	DAYLIGHT	1TD1	N/A	CHEMICAL STORAGE			FLOW IS NIL	No	SPILLAGE
9	31	9-31-OPN-2	DAYLIGHT	1TD2	N/A	CHEMICAL STORAGE			FLOW IS NIL	No	SPILLAGE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	32	9-32-OPN-01	01S VIA 13S	1FD11	106	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	32	9-32-OPN-01	01S VIA 13S	1FD2	103	EQUIPMENT ROOM			FLOW IS NIL	No	HWS-1 & DAR-1
9	32	9-32-OPN-01	01S VIA 13S	1FD3	103	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	32	9-32-OPN-01	01S VIA 13S	1LV1	106	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	32	9-32-OPN-01	01S VIA 13S	1SD2	106	RESTROOM	25	GPD	5 DAYS PER WEEK	No	SANITARY RINSE
9	32	9-32-OPN-01	01S VIA 13S	1TL1	106	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	32	9-32-OPN-02	05A066	1CD01	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD02	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD03	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD04	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD05	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD06	105	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD07	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD08	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD09	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD10	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD11	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1CD12	104	LABORATORY			FLOW IS NIL	No	LAB RINSE
9	32	9-32-OPN-02	05A066	1EW1	107	HALL			FLOW IS NIL	No	EYE WASH
9	32	9-32-OPN-02	05A066	1FD6	105	LABORATORY			FLOW IS NIL	No	NONE
9	32	9-32-OPN-02	05A066	1SD3	105	LABORATORY	25	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	32	9-32-OPN-02	05A066	1SD4	104	LABORATORY	25	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	32	9-32-OPN-02	05A066	1SD5	102	LABORATORY	25	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	32	9-32-OPN-02	05A066	1WF1	107	HALL	10	GPD	5 DAYS PER WEEK	No	WATER FOUNTAIN
9	32	9-32-OPN-03	05A066	1FD8	102	LABORATORY			FLOW IS NIL	No	NONE
9	32	9-32-OPN-04	05A066	1FD09	102	LABORATORY			FLOW IS NIL	No	NONE
9	32	9-32-OPN-04	05A066	1FD10	102	LABORATORY	100	GPD	FLOW IS NIL	No	LASER COOLING
9	32	9-32-OPN-04	05A066	1FD11	102	LABORATORY			FLOW IS NIL	No	NONE
9	32	9-32-OPN-05	05A066	1FD4	103	EQUIPMENT ROOM			FLOW IS NIL	No	VAC. & COMP. AIR TANK B
9	32	9-32-OPN-05	05A066	1FD5	101	LABORATORY			FLOW IS NIL	No	NONE
9	32	9-32-OPN-05	05A066	1SD1	101	LABORATORY	25	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	32	9-32-OPN-06	05A066	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	32	9-32-OPN-07	05A066	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	32	9-32-OPN-08	05A066	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	32	9-32-OPN-09	05A066	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	32	9-32-OPN-10	05A066	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	32	9-32-OPN-11	05A066	RD6	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	32	9-32-OPN-12	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	32	9-32-OPN-13	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	32	9-32-OPN-14	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	32	9-32-OPN-15	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	32	9-32-OPN-16	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	VACUUM TANK RELIEF
9	32	9-32-OPN0-2	05A066	1FD7	104	LABORATORY			FLOW IS NIL	No	NONE
9	33	9-33-OPN-1	01S VIA 13S	1EW1	HALL	HALL			FLOW IS NIL	No	EYE WASH
9	33	9-33-OPN-1	01S VIA 13S	1FD1	104	RESTROOOM			FLOW IS NIL	No	FLOOR WASHING
9	33	9-33-OPN-1	01S VIA 13S	1FD2	103	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	33	9-33-OPN-1	01S VIA 13S	1LAV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	33	9-33-OPN-1	01S VIA 13S	1TL1	104	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	33	9-33-OPN-2	05A066	1FD3	101	LABORATORY			FLOW IS NIL	No	NONE
9	33	9-33-OPN-2	05A066	1FD4	101	LABORATORY			FLOW IS NIL	No	NONE
9	33	9-33-OPN-3	05A066	1FD5	102	LABORATORY			FLOW IS NIL	No	NONE
9	33	9-33-OPN-4	05A066	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	33	9-33-OPN-5	05A066	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	33	9-33-OPN-6	DAYLIGHT	N/A	OUTSIDE	COOLING TOWER (OUTSIDE)	50	GPD	12 MONTHS PER YEAR	No	COOLING TOWER BLWDWN
9	33	9-33-OPN-7	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	33	9-33-OPN-8	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	33	9-33-OPN-9	DAYLIGHT	N/A	103	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	34	9-34-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	34	9-34-OPN-01	01S VIA 13S	1FD3	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	34	9-34-OPN-01	01S VIA 13S	1FD4	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	34	9-34-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	34	9-34-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	34	9-34-OPN-02	05A067	1FD2	105	EQUIPMENT ROOM			FLOW IS NIL	No	WATER PRESSURE TANK
9	34	9-34-OPN-02	05A067	1SD1	103	LABORATORY	25	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	34	9-34-OPN-03	05A067	1FD5	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	34	9-34-OPN-03	05A067	1FD7	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	34	9-34-OPN-04	05A067	1FD6	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	34	9-34-OPN-04	05A067	1FD8	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	34	9-34-OPN-05	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	34	9-34-OPN-06	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	34	9-34-OPN-07	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	34	9-34-OPN-08	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	34	9-34-OPN-09	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	34	9-34-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	34	9-34-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	34	9-34-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	34	9-34-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	35	9-35-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	35	9-35-OPN-01	01S VIA 13S	1FD3	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-01	01S VIA 13S	1FD4	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	35	9-35-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	35	9-35-OPN-02	05A067	1FD2	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE
9	35	9-35-OPN-02	05A067	1SD1	103	LABORATORY	10	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	35	9-35-OPN-03	05A067	1FD5	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-03	05A067	1FD7	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-04	05A067	1FD6	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-04	05A067	1FD8	101	HE PRESSING ROOM			FLOW IS NIL	No	NONE
9	35	9-35-OPN-05	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	35	9-35-OPN-06	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	35	9-35-OPN-06	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	35	9-35-OPN-07	DAYLIGHT	N/A	106	UTILITY ROOM			FLOW IS NIL	No	HVAC CONDENSATE
9	35	9-35-OPN-08	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	35	9-35-OPN-09	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	35	9-35-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	35	9-35-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	35	9-35-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	35	9-35-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	35	9-35-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	35	9-35-OPN-15	DAYLIGHT	N/A	101	LABORATORY			NO FLOW	No	OVEN FLUE
9	36	TA-9-36	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	37	9-37-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	37	9-37-OPN-01	01S VIA 13S	1FD2	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	37	9-37-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	37	9-37-OPN-02	05A067	1FD3	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-02	05A067	1TD1	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-03	05A067	1CD1	101	PROCESS ROOM			FLOW IS NIL	No	RINSE WATER
9	37	9-37-OPN-03	05A067	1FD4	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-03	05A067	1FD5	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-03	05A067	1TD2	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	37	9-37-OPN-04	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	37	9-37-OPN-05	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	37	9-37-OPN-06	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	37	9-37-OPN-07	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	37	9-37-OPN-08	05A067	RD5	ROOF	ROOF	3000	GPD	MAINLY SUMMER	No	STORM WATER & VACUUM PUMP
9	37	9-37-OPN-09	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM VENT
9	37	9-37-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM VENT
9	37	9-37-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE
9	37	9-37-OPN-12	DAYLIGHT	N/A	101	PROCESS ROOM			NO FLOW	No	HOOD VENT
9	37	9-37-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	AIR COMPR. CONDENS.
9	38	9-38-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	38	9-38-OPN-01	01S VIA 13S	1FD2	105	EQUIPMENT ROOM	15000	GPD	FLOW IS NIL	No	5 VACUUM PUMPS
9	38	9-38-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	38	9-38-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	38	9-38-OPN-02	05A067	1FD3	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	38	9-38-OPN-02	05A067	1TD1	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	38	9-38-OPN-03	05A067	1FD4	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	38	9-38-OPN-03	05A067	1FD5	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	38	9-38-OPN-03	05A067	1TD2	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	38	9-38-OPN-04	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	38	9-38-OPN-05	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER

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TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	38	9-38-OPN-06	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	38	9-38-OPN-07	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	38	9-38-OPN-08	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	38	9-38-OPN-09	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	STEAM VENT
9	38	9-38-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	STEAM VENT
9	38	9-38-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	STEAM VENT
9	38	9-38-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE
9	38	9-38-OPN-13	DAYLIGHT	N/A	101	PROCESS ROOM			FLOW IS NIL	No	STEAM HOSE
9	38	9-38-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	AIR COMPR. CONDENS.
9	39	TA-9-39	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	40	9-40-OPN-1	05A066	1FD1	HALL	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-2	05A066	1FD2	106	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-3	05A066	1FD3	105	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-4	05A066	1FD4	104	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-5	05A066	1FD5	103	EQUIPMENT ROOM			FLOW IS NIL	No	TCA-1 & CA-1
9	40	9-40-OPN-6	05A066	1FD6	102	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-7	05A066	1FD7	101	ENVIRONMENTAL CHAMBER			FLOW IS NIL	No	NONE
9	40	9-40-OPN-8	DAYLIGHT	N/A	107	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	41	9-41-OPN-1	01S VIA 13S	1FD1	102	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	41	9-41-OPN-1	01S VIA 13S	1FD2	103	XFMR VAULT			FLOW IS NIL	No	NONE
9	41	9-41-OPN-1	01S VIA 13S	1LV1	102	RESTROOM	10	GPD	5 DAYS PER WEEK	No	LAVATORY
9	41	9-41-OPN-1	01S VIA 13S	1TL1	102	RESTROOM	10	GPD	5 DAYS PER WEEK	No	TOILET
9	41	9-41-OPN-1	01S VIA 13S	1TL2	102	RESTROOM	10	GPD	5 DAYS PER WEEK	No	TOILET
9	41	9-41-OPN-1	01S VIA 13S	1UR1	102	RESTROOM	10	GPD	5 DAYS PER WEEK	No	URINAL
9	41	9-41-OPN-1	01S VIA 13S	1WF1	101	BREAK ROOM			5 DAYS PER WEEK	No	WATER FOUNTAIN
9	41	9-41-OPN-2	DAYLIGHT	N/A	103	STEAM PRESSURE RELIEF	10	GPD	FLOW IS NIL	No	STEAM PRESS. RELIEF
9	41	9-41-OPN-3	DAYLIGHT	N/A	103	STEAM PRESSURE RELIEF	10	GPD	FLOW IS NIL	No	STEAM PRESS. RELIEF
9	42	9-42-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	42	9-42-OPN-01	01S VIA 13S	1FD3	105A	PROCESS ROOM			FLOW IS NIL	No	NONE
9	42	9-42-OPN-01	01S VIA 13S	1FD4	105B	PROCESS ROOM			FLOW IS NIL	No	NONE
9	42	9-42-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	10	GPD	5 DAYS PER WEEK	No	LAVATORY
9	42	9-42-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	10	GPD	5 DAYS PER WEEK	No	TOILET
9	42	9-42-OPN-02	05A067	1FD2	105A	PROCESS ROOM			FLOW IS NIL	No	NONE

REPORT # 25

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	42	9-42-OPN-02	05A067	1SD1	103	PROCESS ROOM	10	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	42	9-42-OPN-03	05A067	1FD5	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	42	9-42-OPN-03	05A067	1FD7	101	PROCESS			NONE	No	NONE
9	42	9-42-OPN-04	05A067	1FD6	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	42	9-42-OPN-04	05A067	1FD8	101	PROCESS			NONE	No	NONE
9	42	9-42-OPN-05	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	42	9-42-OPN-06	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	42	9-42-OPN-06	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	42	9-42-OPN-07	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	42	9-42-OPN-08	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	42	9-42-OPN-09	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE
9	42	9-42-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSOR BLOWDOWN
9	42	9-42-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	42	9-42-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	42	9-42-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	42	9-42-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	42	9-42-OPN-15	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	43	9-43-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	43	9-43-OPN-01	01S VIA 13S	1FD3	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	43	9-43-OPN-01	01S VIA 13S	1FD4	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	43	9-43-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	43	9-43-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	50	GPD	5 DAYS PER WEEK	No	TOILET
9	43	9-43-OPN-02	05A067	1FD2	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM COND. & WATER
9	43	9-43-OPN-02	05A067	1SD1	103	LABORATORY	10	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	43	9-43-OPN-03	05A067	1FD6	101	HE PRESS ROOM			FLOW IS NIL	No	NONE
9	43	9-43-OPN-04	05A067	1FD7	101	HE PRESS ROOM			FLOW IS NIL	No	NONE
9	43	9-43-OPN-05	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	43	9-43-OPN-06	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	43	9-43-OPN-07	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	43	9-43-OPN-08	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	43	9-43-OPN-09	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	43	9-43-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	43	9-43-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF

REPORT # 25

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	43	9-43-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	43	9-43-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSED AIR TANK BLOWD
9	43	9-43-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSOR DISCHARGE
9	43	9-43-OPN-15	DAYLIGHT	N/A	101	PRESS ROOM			NO FLOW	No	OVEN FLUE
9	44	TA-9-44	DAYLIGHT	N/A		NONE			NO FLOW	No	NONE
9	45	9-45-OPN-01	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	45	9-45-OPN-01	01S VIA 13S	1FD2	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-01	01S VIA 13S	1FD3	105	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-01	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	45	9-45-OPN-01	01S VIA 13S	1TL1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	45	9-45-OPN-02	05A067	1FD4	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-02	05A067	1FD5	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-02	05A067	1SD1	101	PROCESS ROOM	10	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	45	9-45-OPN-03	05A067	1EW1	101	PROCESS ROOM			FLOW IS NIL	No	EYE WASH
9	45	9-45-OPN-03	05A067	1FD6	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-03	05A067	1FD7	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-04	05A067	1ED1	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-04	05A067	1FD8	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	45	9-45-OPN-05	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	45	9-45-OPN-06	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	45	9-45-OPN-07	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	45	9-45-OPN-08	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	45	9-45-OPN-09	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	45	9-45-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	FIRE SPRINKLER
9	45	9-45-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	45	9-45-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	45	9-45-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM CONDENSATE
9	45	9-45-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	CONDENSATE VENT
9	45	9-45-OPN-15	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	46	9-46-OPN-1	01S VIA 13S	1FD1	104	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	46	9-46-OPN-1	01S VIA 13S	1LV1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	46	9-46-OPN-1	01S VIA 13S	1TL1	104	RESTROOM	25	GPD	5 DAYS PER WEEK	No	TOILET
9	46	9-46-OPN-10	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF

REPORT # 25

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	46	9-46-OPN-11	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	46	9-46-OPN-12	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	46	9-46-OPN-13	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	46	9-46-OPN-14	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSOR BLOWDOWN
9	46	9-46-OPN-2	05A067	1FD2	105	FLOOR DRAIN			FLOW IS NIL	No	NONE
9	46	9-46-OPN-2	05A067	1FD5	105	FLOOR DRAIN			FLOW IS NIL	No	STEAM COND. & HWS-1
9	46	9-46-OPN-2	05A067	1SD1	103	LABORATORY	10	GPD	5 DAYS PER WEEK	No	RINSE WATER
9	46	9-46-OPN-3	05A067	1FD3	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	46	9-46-OPN-4	05A067	1FD4	101	PROCESS ROOM			FLOW IS NIL	No	NONE
9	46	9-46-OPN-5	05A067	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	46	9-46-OPN-6	05A067	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	46	9-46-OPN-7	05A067	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	46	9-46-OPN-8	05A067	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	46	9-46-OPN-9	05A067	RD5	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	47	TA-9-47	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	48	9-48-OPN-01	01S VIA 13S	1FD1	108	EQUIPMENT ROOM			FLOW IS NIL	No	FLOOR WASHINGS
9	48	9-48-OPN-01	01S VIA 13S	1FD2	108	EQUIPMENT ROOM	12	GPM	FLOW IS NIL	No	2 VACUUM PUMPS
9	48	9-48-OPN-01	01S VIA 13S	1LV1	107	RESTROOM	25	GPD	5 DAYS PER WEEK	No	LAVATORY
9	48	9-48-OPN-01	01S VIA 13S	1TL1	107	RESTROOM	10	GPD	5 DAYS PER WEEK	No	TOILET
9	48	9-48-OPN-02	DAYLIGHT	1WF1	HALL	HALL	15	GPD	5 DAYS PER WEEK	No	WATER FOUNTAIN
9	48	9-48-OPN-03	05A068	1TD4	BAY 1	HE MACHINING BAY	10	GPD	FLOW IS NIL	No	HE RINSE
9	48	9-48-OPN-04	05A068	1TD3	BAY 2	HE MACHINING BAY	10	GPD	FLOW IS NIL	No	HE RINSE
9	48	9-48-OPN-05	05A068	1TD2	BAY 3	HE MACHINING BAY	10	GPD	FLOW IS NIL	No	HE RINSE
9	48	9-48-OPN-06	05A068	1TD1	BAY 4	HE MACHINING BAY	10	GPD	FLOW IS NIL	No	HE RINSE
9	48	9-48-OPN-07	05A068	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	48	9-48-OPN-08	05A068	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	48	9-48-OPN-09	05A068	RD3	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	48	9-48-OPN-10	05A068	RD4	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	48	9-48-OPN-11	DAYLIGHT	N/A	108	EQUIPMENT ROOM			NO FLOW	No	COMPRESSOR INLET
9	48	9-48-OPN-12	DAYLIGHT	N/A	108	EQUIPMENT ROOM			NO FLOW	No	VAC. PMP WATER VENT
9	48	9-48-OPN-13	DAYLIGHT	N/A	108	EQUIPMENT ROOM			NO FLOW	No	VAC. PMP WATER VENT
9	48	9-48-OPN-14	DAYLIGHT	N/A	108	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	48	9-48-OPN-15	DAYLIGHT	N/A	108	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF

REPORT # 25

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	48	9-48-OPN-16	DAYLIGHT	N/A	OUTSIDE	STEAM PIT (OUTSIDE)			FLOW IS NIL	No	CONDENSATE PIT SUMP
9	48	9-48-OPN-17	DAYLIGHT	N/A	OUTSIDE	STEAM PIT (OUTSIDE)			FLOW IS NIL	No	CONDENSATE TANK DISCH.
9	48	9-48-OPN-18	DAYLIGHT	N/A	OUTSIDE	STEAM PIT (OUTSIDE)			FLOW IS NIL	No	CONDENSATE TNK BLEED
9	49	TA-9-49	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	50	9-50-OPN-1	01S VIA 13S	1FD1	102	RESTROOM			FLOW IS NIL	No	FLOOR WASHING
9	50	9-50-OPN-1	01S VIA 13S	1FD2	101	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	50	9-50-OPN-1	01S VIA 13S	1LV1	102	RESTROOM	50	GPY	5 DAYS PER WEEK	No	LAVATORY
9	50	9-50-OPN-1	01S VIA 13S	1TL1	102	RESTROOM	25	GPY	5 DAYS PER WEEK	No	TOILET
9	50	9-50-OPN-2	04A155	1FD3	104	LABORATORY			FLOW IS NIL	No	NONE
9	50	9-50-OPN-2	04A155	1FD4	104	LABORATORY			FLOW IS NIL	No	NONE
9	50	9-50-OPN-2	04A155	1SD1	104	LABORATORY	100	GPY	5 DAYS PER WEEK	No	LABORATORY RINSE
9	50	9-50-OPN-3	DAYLIGHT	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	50	9-50-OPN-4	DAYLIGHT	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	50	9-50-OPN-5	DAYLIGHT	N/A	101	EQUIPMENT ROOM			NO FLOW	No	NONE (DISCONNECTED)
9	51	9-51-OPN-1	01S VIA 13S	1FD1	103	EQUIPMENT ROOM			FLOW IS NIL	No	CHILLER BLOWDOWN
9	51	9-51-OPN-1	01S VIA 13S	1FD2	103	EQUIPMENT ROOM			FLOW IS NIL	No	NONE
9	51	9-51-OPN-1	01S VIA 13S	1FD3	103	EQUIPMENT ROOM			FLOW IS NIL	No	COMPRESSED AIR TANK BLOWD
9	51	9-51-OPN-1	01S VIA 13S	1FD4	101	VAULT			FLOW IS NIL	No	NONE
9	51	9-51-OPN-1	01S VIA 13S	1FD5	105	EQUIPMENT ROOM			FLOW IS NIL	No	BOILER BLWDN & TCA-1
9	51	9-51-OPN-1	01S VIA 13S	1LV1	106	RESTROOM	50	GPY	5 DAYS PER WEEK	No	LAVATORY
9	51	9-51-OPN-1	01S VIA 13S	1TL1	106	RESTROOM	25	GPY	5 DAYS PER WEEK	No	TOILET
9	51	9-51-OPN-1	01S VIA 13S	1WF1	103	EQUIPMENT ROOM			5 DAYS PER WEEK	No	WATER FOUNTAIN
9	51	9-51-OPN-2	DAYLIGHT	RD2	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	51	9-51-OPN-3	DAYLIGHT	RD1	ROOF	ROOF			MAINLY SUMMER	No	STORM WATER
9	51	9-51-OPN-4	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NON FLOW	No	BOILER EXP. TANK VENT
9	51	9-51-OPN-5	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	51	9-51-OPN-6	DAYLIGHT	N/A	105	EQUIPMENT ROOM			FLOW IS NIL	No	STEAM PRESS. RELIEF
9	51	9-51-OPN-7	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	GAS VALVE BLEED
9	51	9-51-OPN-8	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	BOILER VENT
9	51	9-51-OPN-9	DAYLIGHT	N/A	105	EQUIPMENT ROOM			NO FLOW	No	BOILER BLOWDOWN VENT
9	52	TA-9-52	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	53	TA-9-53	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	54	TA-9-54	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE

REPORT # 25

TA	BLDG	OUTLET PIPING NO	EPA OUTFALL #	DRAIN #	ROOM #	ROOM DESCRIPTION	FLOW RATE		PERIODICITY	SEASONAL	SOURCE TYPES
9	55	TA-9-55	DAYLIGHT	N/A	N/A	NONE			NO FLOW	No	NONE
9	204	TA-9-204	DAYLIGHT	N/A	N/A	REFRIGERATOR SHELTER			NO FLOW	No	NO SOURCE
9	208	TA-9-208	DAYLIGHT	N/A	N/A	DAY MAGAZINE			NO FLOW	No	NO SOURCE
9	214	9-214-OPN-1	DAYLIGHT	N/A	N/A	EQUIPMENT ROOM			NO FLOW	No	STEAM PRESS. RELIEF
9	214	9-214-OPN-2	DAYLIGHT	N/A	OUTSIDE	OUTSIDE			CONTAINERIZE	No	COMPRESSOR BLWDN

Please print or type in the unshaded areas only.

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

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

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
04A155	35	51	20	106	20	17	Tributaries to Pajarito Canyon

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. 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 B. 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.

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

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
155	TA-9-50	1.5 gpm	None		
	Laser Cooling				
	Non-contact Cooling Water				

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☒ YES *(complete the following table)* ☐ NO *(go to Section III)*

1. OUTFALL NUMBER *(list)*	2. OPERATION(s) CONTRIBUTING FLOW *(list)*	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK *(specify average)*	b. MONTHS PER YEAR *(specify average)*	a. FLOW RATE *(in mgd)*		b. TOTAL VOLUME *(specify with units)*		c. DURATION *(in days)*
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
04A155	Laser Cooling - NCCW	5	6	4.5E-4 MGD	1 E-3 MGD	450 GPD	1000 GPD	130 D/Y

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES *(complete Item III-B)* ☒ NO *(to to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

☐ YES *(complete Item III-C)* ☒ NO *(go to Section IV)*

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

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

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES *(complete the following table)* ☒ NO *(go to Item IV-B)*

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

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

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

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

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

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

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

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

N/A

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES *(identify the test(s) and describe their purposes below)* ☒ NO *(go to Section VIII)*

N/A

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☒ NO *(go to Section IX)*

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

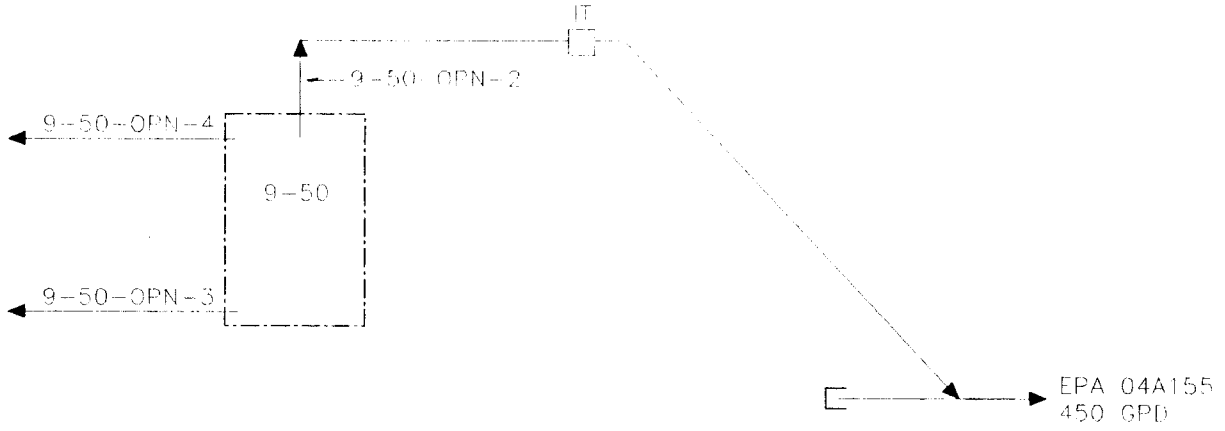
IX. CERTIFICATION

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

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

SCHEMATIC OF WATER FLOW

OUTFALL 04A155



RAIN DRAIN OUTFALLS:

9-50-OPN-3
9-50-OPN-4

INDUSTRIAL OUTFALLS:

9-50-OPN-2

IT ☐ -- HIGH EXPLOSIVES SETTLING TANK

REV.1

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-155

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 (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	< 3.4						mg/l	g/d			
b. Chemical Oxygen Demand *(COD)*	< 10.0	< 17.0						mg/l	g/d			
c. Total Organic Carbon *(TOC)*	0.6	1.0						mg/l	g/d			
d. Total Suspended Solids *(TSS)*	18.0	30.7						mg/l	g/d			
e. Ammonia *(as N)*	< 0.1	< 0.170						mg/l	g/d			
f. Flow	VALUE 450		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 8.3	MAXIMUM 8.9				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 (optional) a. LONG TERM AVERAGE VALUE (2) MASS	5. INTAKE (optional) b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X	< 0.5	< 0.9						mg/l	g/d			
b. Chlorine, Total Residual	X		0.05							mg/l	mg/d			
c. Color	X		7.0							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.21	0.4						mg/l	g/d			
f. Nitrate–Nitrite *(as N)*	X		0.304	0.5						mg/l	g/d			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK 'X'		3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. 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
g. Nitrogen, Total Organic (as N)		X	< 0.5	< 0.9						mg/l	g/d			
h. Oil and Grease		X	< 1.05	< 1.8						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.05	85.2						mg/l	mg/d			
j. Radioactivity														
(1) Alpha, Total	X		0.1	0.2						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	11.2						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.06	0.1						pCi/l	nCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		3.16	5.4						mg/l	g/d			
l. Sulfide (as S)		X		0.0						mg/l	mg/d			
m. Sulfite (as SO_3) (14265-45-3)		X	< 0.05	< 85.2						mg/l	mg/d			
n. Surfactants		X	< 0.1	< 0.2						mg/l	g/d			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 68.1						mg/l	mg/d			
p. Barium, Total (7440-39-3)	X		0.03	51.1						mg/l	mg/d			
q. Boron, Total (7440-42-8)	X		0.02	34.1						mg/l	mg/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.2						mg/l	g/d			
s. Iron, Total (7439-89-6)	X		0.41	0.7						mg/l	g/d			
t. Magnesium, Total (7439-95-4)	X		2.5	4.3						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)		X	< 0.02	< 34.1						mg/l	mg/d			
v. Manganese, Total (7439-96-5)	X		0.01	17.0						mg/l	mg/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 85.2						mg/l	mg/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 6.8						mg/l	mg/d			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	04A-155

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	< 85.2						mg/l	mg/d			
2M. Arsenic, Total (7440-38-2)		X		0.002	3.4						mg/l	mg/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 1.7						mg/l	mg/d			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 17.0						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		0.040	68.1						mg/l	mg/d			
6M. Copper, Total (7440-50-8)		X		0.031	52.8						mg/l	mg/d			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 85.2						mg/l	mg/d			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 0.3						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		0.06	0.1						mg/l	g/d			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 1.7						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 17.0						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 0.7						mg/l	g/d			
13M. Zinc, Total (7440-66-6)		X		0.043	73.2						mg/l	mg/d			
14M. Cyanide, Total (57-12-5)			X	0.01	17.0						mg/l	mg/d			
15M. Phenols, Total			X	< 0.01	< 17.0						mg/l	mg/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

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 – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 8.5						mg/l	mg/d			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 8.5						mg/l	mg/d			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 8.5						mg/l	mg/d			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 8.5						mg/l	mg/d			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 8.5						mg/l	mg/d			
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.0						mg/l	mg/d			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 8.5						mg/l	mg/d			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 8.5						mg/l	mg/d			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 8.5						mg/l	mg/d			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 8.5						mg/l	mg/d			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 8.5						mg/l	mg/d			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 8.5						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	< 8.5						mg/l	mg/d			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 17.0						mg/l	mg/d			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 17.0						mg/l	mg/d			

CONTINUED FROM PAGE V-4

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	< 8.5						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 8.5						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 8.5						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 8.5						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 8.5						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 8.5						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 8.5						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 8.5						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 8.5						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 17.0						mg/l	mg/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 17.0						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 17.0						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 17.0						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 17.0						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 17.0						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 17.0						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 17.0						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 17.0						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 17.0						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 17.0						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 17.0						mg/l	mg/d			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (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 -- BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 17.0						mg/l	mg/d			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 17.0						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 17.0						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 17.0						mg/l	mg/d			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 17.0						mg/l	mg/d			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 17.0						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 17.0						mg/l	mg/d			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 17.0						mg/l	mg/d			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 17.0						mg/l	mg/d			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 17.0						mg/l	mg/d			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 17.0						mg/l	mg/d			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 17.0						mg/l	mg/d			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 17.0						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 17.0						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 17.0						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 17.0						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 17.0						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 17.0						mg/l	mg/d			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 17.0						mg/l	mg/d			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 17.0						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 17.0						mg/l	mg/d			

CONTINUE ON PAGE V-7

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

OUTFALL NUMBER: 04A-155

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	< 17.0						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 17.0						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 17.0						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 17.0						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 17.0						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 17.0						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 17.0						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 17.0						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 17.0						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 17.0						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 17.0						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 17.0						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 17.0						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 17.0						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 17.0						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 17.0						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 17.0						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 17.0						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 17.0						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 17.0						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 17.0						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 *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 17.0						mg/l	mg/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 17.0						mg/l	mg/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 17.0						mg/l	mg/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 17.0						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.1						ug/l	ug/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 34.1						ug/l	ug/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 0.2						ug/l	ug/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 51.1						ug/l	ug/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 0.2						ug/l	ug/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 0.4						ug/l	ug/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.1						ug/l	ug/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 0.1						ug/l	ug/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 0.1						ug/l	ug/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.1						ug/l	ug/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 85.2						ug/l	ug/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.1						ug/l	ug/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 0.2						ug/l	ug/d			
14P. Endrin (72-20-8)			X	< 0.06	< 0.1						ug/l	ug/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 1.1						ug/l	ug/d			
16P. Heptachlor (76-44-8)			X	< 0.3	< 0.5						ug/l	mg/d			

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

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1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (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	< 68.1						ug/l	ug/d			
18P. PCB-1242 (53469-21-9)			X	< 0.68	< 1.2						ug/l	ug/d			
19P. PCB-1254 (11097-69-1)			X	< 0.68	< 1.2						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	< 1.2						ug/l	ug/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 4.3						ug/l	mg/d			

Please print or type in the unshaded areas only.

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

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

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (list)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
05A066	31	51	25	106	20	30	Tribuatries to Pajarito Canyon
05A067	35	51	25	106	20	26	Tributaries to Pajarito Canyon
05A068	35	51	25	106	20	21	Tributaries to Pajarito Canyon

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. 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 B. 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.

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

1. OUTFALL NO. (list)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
066	TA-9: Buildings 21, 28, 29, 32, 33, & 40		Discharge to multi-weir sump is	1-U	
	HE Facility & Machining		collected and burned.		
	Bldg. 21-1 Vacuum Pump:	6 gpm	(Storm water by-passes sump)		
	Buildings 21, 23, 33 & 40				
	-HE Discharge:	1000 gpy			
	All Buildings - Storm Water:	50,000 gpy			
	Total Discharge:	3,000 gpd (*)			
067	TA-9: Buildings 34, 35, 37, 38, 41, 42, 43,		Discharge to multi-weir sump is collected	1-U	
	45 & 46 HE Pressing & Packaging		and burned. (Storm water, vacuum pump,		
	Building 37-1 Vacuum Pump:	6 gpm	& sanitary by-pass sump)		
	All Buildings - HE Discharge:	1,000 gpy			
	All Buildings - Storm Water:	50,000 gpy			
	Total Discharge:	3,000 gpd(*)			
068	TA-9-48, HE Machining		Discharge to multi-weir sump is collected	1-U	
	2 Vacuum Pumps:	12 gpm	and burned. (Storm water & vacuum		
	HE Discharge:	1,000 pgy	pumps, by-pass sumps)		
	Storm Water:	20,000 gpy			
	Total Discharge:	6,000 gpd(*)			
			(*) - Average gpd,		
			excluding storm water		

OFFICIAL USE ONLY *(effluent guidelines sub-categories)*

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☐ YES *(complete the following table)* ☒ NO *(go to Section III)*

1. OUTFALL NUMBER *(list)*	2. OPERATION(s) CONTRIBUTING FLOW *(list)*	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK *(specify average)*	b. MONTHS PER YEAR *(specify average)*	a. FLOW RATE *(in mgd)*		b. TOTAL VOLUME *(specify with units)*		c. DURATION *(in days)*
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☐ YES *(complete Item III-B)* ☒ NO *(to to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

☐ YES *(complete Item III-C)* ☒ NO *(go to Section IV)*

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

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

IV. IMPROVEMENTS

A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☐ YES *(complete the following table)* ☒ NO *(go to Item IV-B)*

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

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

EPA I.D. NUMBER (copy from Item 1 of Form 1)
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OMB No. 2040-0086
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V. INTAKE AND EFFLUENT CHARACTERISTICS

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

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

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

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

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

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

N/A

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

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

☐ YES *(identify the test(s) and describe their purposes below)* ☒ NO *(go to Section VIII)*

N/A

VIII. CONTRACT ANALYSIS INFORMATION

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

☐ YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☒ NO *(go to Section IX)*

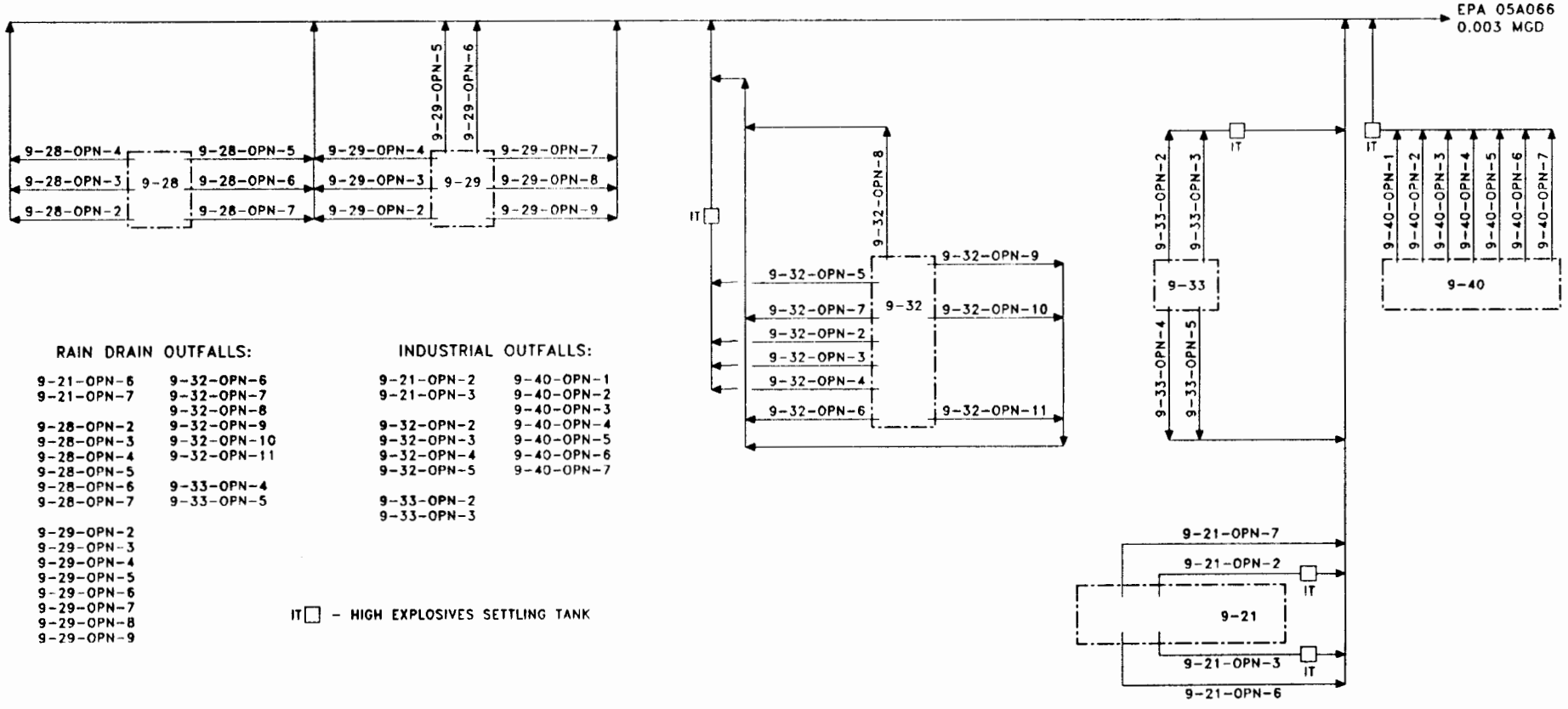
A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*	D. POLLUTANTS ANALYZED *(list)*
N/A			

IX. CERTIFICATION

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

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & 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

SCHEMATIC OF WATER FLOW
OUTFALL 05A066



RAIN DRAIN OUTFALLS:

9-21-OPN-6
9-21-OPN-7

9-28-OPN-2
9-28-OPN-3
9-28-OPN-4
9-28-OPN-5
9-28-OPN-6
9-28-OPN-7

9-29-OPN-2
9-29-OPN-3
9-29-OPN-4
9-29-OPN-5
9-29-OPN-6
9-29-OPN-7
9-29-OPN-8
9-29-OPN-9

9-32-OPN-6
9-32-OPN-7
9-32-OPN-8
9-32-OPN-9
9-32-OPN-10
9-32-OPN-11

9-33-OPN-4
9-33-OPN-5

INDUSTRIAL OUTFALLS:

9-21-OPN-2
9-21-OPN-3

9-32-OPN-2
9-32-OPN-3
9-32-OPN-4
9-32-OPN-5

9-33-OPN-2
9-33-OPN-3

9-40-OPN-1
9-40-OPN-2
9-40-OPN-3
9-40-OPN-4
9-40-OPN-5
9-40-OPN-6
9-40-OPN-7

IT☐ – HIGH EXPLOSIVES SETTLING TANK

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. 05A066

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)*	3.4	38.6						mg/l	g/y			
b. Chemical Oxygen Demand *(COD)*	32.5	369.0						mg/l	g/y			
c. Total Organic Carbon *(TOC)*	8.8	99.9						mg/l	g/y			
d. Total Suspended Solids *(TSS)*	18.0	204.4						mg/l	g/y			
e. Ammonia *(as N)*	1	11.355						mg/l	g/y			
f. Flow	VALUE 3000		VALUE		VALUE			gal/yr		VALUE		
g. Temperature *(winter)*	VALUE 18.2		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.2	MAXIMUM 9.0	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	< 5.7						mg/l	g/y			
b. Chlorine, Total Residual	X		0.2	2.3						mg/l	mg/y			
c. Color	X		18							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.32	3.6						mg/l	g/y			
f. Nitrate-Nitrite *(as N)*	X		0.985	11.2						mg/l	g/y			

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		27.4	311.1						mg/l	g/y			
h. Oil and Grease	X		24	272.5						mg/l	g/y			
i. Phosphorus (as P), Total (7723-14-0)	X		0.07	0.8						mg/l	mg/y			
j. Radioactivity														
(1) Alpha, Total	X		5	56.8						pCi/l	nCi/y			
(2) Beta, Total	X		3.8	43.1						pCi/l	nCi/y			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.04	0.5						pCi/l	pCi/y			
k. Sulfate (as SO_4) (14808-79-8)	X		6.02	68.4						mg/l	g/y			
l. Sulfide (as S)		X	< .05	< 0.6						mg/l	mg/y			
m. Sulfite (as SO_3) (14265-45-3)		X		0.0							mg/d			
n. Surfactants	X		0.36	4.1						mg/l	g/y			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.5						mg/l	mg/y			
p. Barium, Total (7440-39-3)	X		0.76	8.6						mg/l	g/y			
q. Boron, Total (7440-42-8)	X		0.03	0.3						mg/l	mg/y			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 1.1						mg/l	mg/y			
s. Iron, Total (7439-89-6)	X		0.28	3.2						mg/l	g/y			
t. Magnesium, Total (7439-95-4)	X		3	34.1						mg/l	g/y			
u. Molybdenum, Total (7439-98-7)	X		0.042	0.5						mg/l	mg/y			
v. Manganese, Total (7439-96-5)	X		0.007	79.5						mg/l	mg/y			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.6						mg/l	mg/y			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 45.4						mg/l	mg/y			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A066

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CONTINUED FROM PAGE 3 OF FORM 2-C

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

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.6						mg/l	mg/y			
2M. Arsenic, Total (7440-38-2)			X	< 0.002	< 22.7						mg/l	mg/y			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 11.4						mg/l	mg/y			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.1						mg/l	mg/y			
5M. Chromium, Total (7440-47-3)		X		0.071	0.8						mg/l	mg/y			
6M. Copper, Total (7440-50-8)		X		0.032	0.4						mg/l	mg/y			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.6						mg/l	mg/y			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 2.3						mg/l	mg/y			
9M. Nickel, Total (7440-02-0)		X		0.11	1.2						mg/l	mg/y			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 11.4						mg/l	mg/y			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.1						mg/l	mg/y			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 4.5						mg/l	g/y			
13M. Zinc, Total (7440-66-6)		X		0.097	1.1						mg/l	mg/y			
14M. Cyanide, Total (57-12-5)			X	< 0.12	< 1.4						mg/l	mg/y			
15M. Phenols, Total			X	< 0.01	< 3.8						mg/l	mg/y			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 56.8						mg/l	mg/y			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 56.8						mg/l	mg/y			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 56.8						mg/l	mg/y			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 56.8						mg/l	mg/y			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 56.8						mg/l	mg/y			
9V. Chloroethane (75-00-3)			X	< 0.01	< 3.8						mg/l	mg/y			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 56.8						mg/l	mg/y			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 56.8						mg/l	mg/y			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 56.8						mg/l	mg/y			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 56.8						mg/l	mg/y			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 56.8						mg/l	mg/y			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 56.8						mg/l	mg/y			
18V. 1,3-Dichloropropylene (542-75-6)			X		0.0							mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 56.8						mg/l	mg/y			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.1						mg/l	mg/y			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.1						mg/l	mg/y			

EPA I.D. NUMBER (copy from Item 1 of Form 1): NM0890010515 | OUTFALL NUMBER: 05A066

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	< 56.8						mg/l	mg/y			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 56.8						mg/l	mg/y			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 56.8						mg/l	mg/y			
25V. Toluene (108-88-3)			X	< 0.005	< 56.8						mg/l	mg/y			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 56.8						mg/l	mg/y			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 56.8						mg/l	mg/y			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 56.8						mg/l	mg/y			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 56.8						mg/l	mg/y			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 56.8						mg/l	mg/y			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.1						mg/l	mg/y			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.1						mg/l	mg/y			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.1						mg/l	mg/y			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.1						mg/l	mg/y			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.1						mg/l	mg/y			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.1						mg/l	mg/y			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.1						mg/l	mg/y			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.1						mg/l	mg/y			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.1						mg/l	mg/y			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.1						mg/l	mg/y			
10A. Phenol (108-95-2)			X	< 0.010	< 0.1						mg/l	mg/y			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.1						mg/l	mg/y			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (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 – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.1						mg/l	mg/y			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.1						mg/l	mg/y			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.1						mg/l	mg/y			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.1						mg/l	mg/y			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.1						mg/l	mg/y			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.1						mg/l	mg/y			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.1						mg/l	mg/y			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.1						mg/l	mg/y			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.1						mg/l	mg/y			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.1						mg/l	mg/y			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.1						mg/l	mg/y			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.1						mg/l	mg/y			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.1						mg/l	mg/y			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.1						mg/l	mg/y			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.1						mg/l	mg/y			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.1						mg/l	mg/y			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.1						mg/l	mg/y			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.1						mg/l	mg/y			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.1						mg/l	mg/y			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.1						mg/l	mg/y			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.1						mg/l	mg/y			

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

OUTFALL NUMBER: 05A066

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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/y			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.1						mg/l	mg/y			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.1						mg/l	mg/y			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.0						mg/l	mg/y			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.1						mg/l	mg/y			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.1						mg/l	mg/y			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.1						mg/l	mg/y			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.1						mg/l	mg/y			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.1						mg/l	mg/y			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.1						mg/l	mg/y			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.1						mg/l	mg/y			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.1						mg/l	mg/y			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.1						mg/l	mg/y			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.1						mg/l	mg/y			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.1						mg/l	mg/y			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.1						mg/l	mg/y			
38B. Isophorone (78-69-1)			X	< 0.010	< 0.1						mg/l	mg/y			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.1						mg/l	mg/y			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.1						mg/l	mg/y			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.1						mg/l	mg/y			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.1						mg/l	mg/y			

CONTINUED FROM THE FRONT

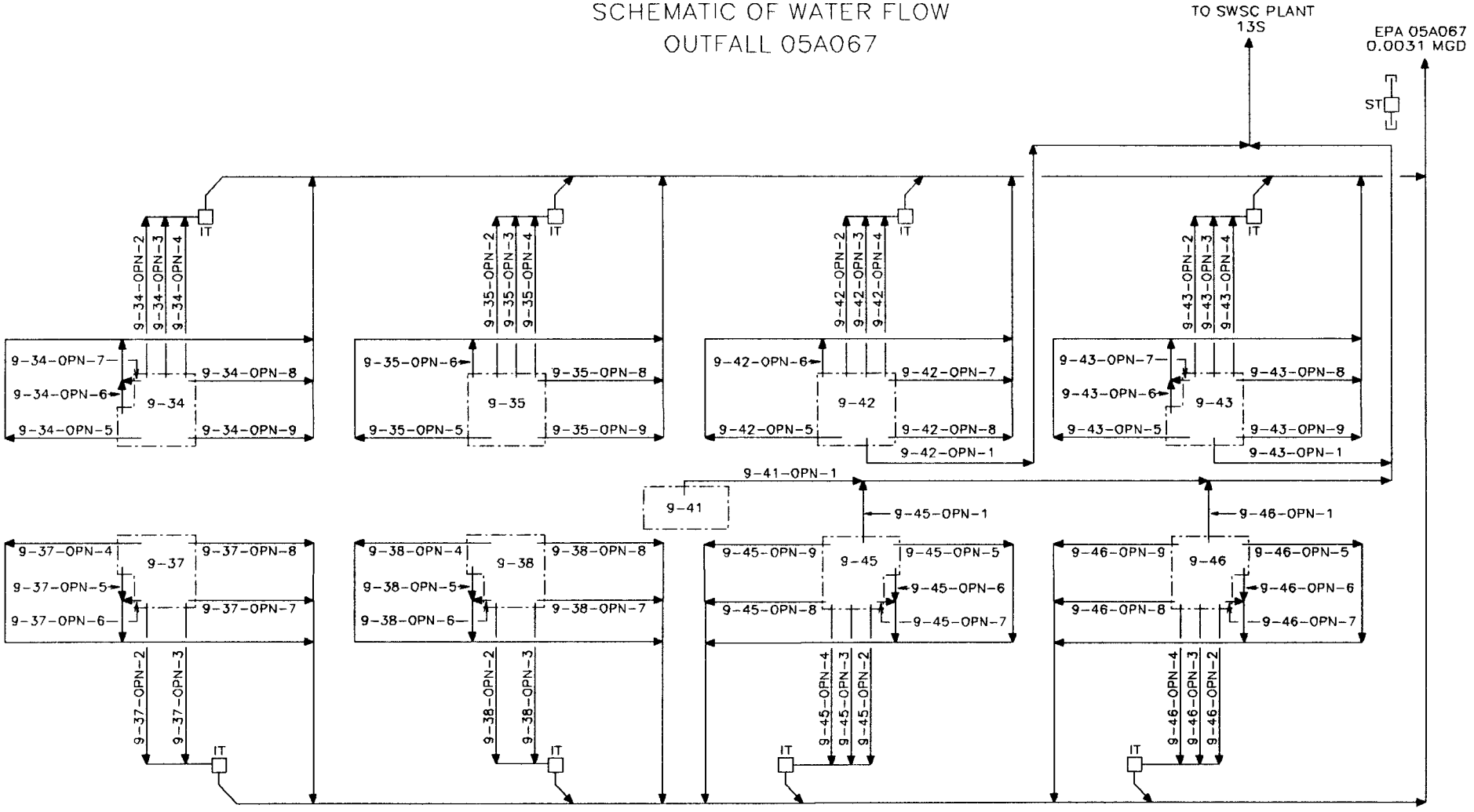
1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. 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 — BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.1						mg/l	mg/y			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.1						mg/l	mg/y			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.1						mg/l	mg/y			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.1						mg/l	mg/y			
GC/MS FRACTION — PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.7						ug/l	ug/y			
2P. α-BHC (319-84-6)			X	< 0.1	< 1.1						ug/l	ug/y			
3P. β-BHC (319-85-7)			X	< 0.1	< 1.1						ug/l	ug/y			
4P. γ-BHC (58-89-9)			X	< 0.12	< 1.4						ug/l	ug/y			
5P. δ-BHC (319-86-8)			X	< 0.24	< 2.7						ug/l	ug/y			
6P. Chlordane (57-74-9)			X	< 0.25	< 2.8						ug/l	ug/y			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.7						ug/l	ug/y			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 0.9						ug/l	ug/y			
9P. 4,4'-DDD (72-54-8)			X	< 0.04	< 0.5						ug/l	ug/y			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.9						ug/l	ug/y			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.6						ug/l	ug/y			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.9						ug/l	ug/y			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 1.0						ug/l	ug/y			
14P. Endrin (72-20-8)			X	< 0.06	< 0.7						ug/l	ug/y			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.31	< 3.5						ug/l	mg/y			
16P. Heptachlor (76-44-8)			X	< 0.15	< 1.7						ug/l	ug/y			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A066

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 (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	< 0.08	< 0.9						ug/l	ug/y			
18P. PCB-1242 (53469-21-9)			X	< 2	< 22.7						ug/l	mg/y			
19P. PCB-1254 (11097-69-1)			X	< 2	< 22.7						ug/l	mg/y			
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	< 0.83	< 9.4						ug/l	mg/y			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 28.4						ug/l	mg/y			

SCHEMATIC OF WATER FLOW
OUTFALL 05A067



RAIN DRAIN OUTFALLS:

9-34-OPN-5	9-37-OPN-4	9-42-OPN-5	9-45-OPN-5
9-34-OPN-6	9-37-OPN-5	9-42-OPN-6	9-45-OPN-6
9-34-OPN-7	9-37-OPN-6	9-42-OPN-7	9-45-OPN-7
9-34-OPN-8	9-37-OPN-7	9-42-OPN-8	9-45-OPN-8
9-34-OPN-9	9-37-OPN-8		9-45-OPN-9
		9-43-OPN-5	
9-35-OPN-5	9-38-OPN-4	9-43-OPN-6	9-46-OPN-5
9-35-OPN-6	9-38-OPN-5	9-43-OPN-7	9-46-OPN-6
9-35-OPN-8	9-38-OPN-6	9-43-OPN-8	9-46-OPN-7
9-35-OPN-9	9-38-OPN-7	9-43-OPN-9	9-46-OPN-8
	9-38-OPN-8		9-46-OPN-9

INDUSTRIAL OUTFALLS:

9-34-OPN-2	9-38-OPN-2	9-45-OPN-2
9-34-OPN-3	9-38-OPN-3	9-45-OPN-3
9-34-OPN-4		9-45-OPN-4
	9-42-OPN-2	
9-35-OPN-2	9-42-OPN-3	9-46-OPN-2
9-35-OPN-3	9-42-OPN-4	9-46-OPN-3
9-35-OPN-4		9-46-OPN-4
	9-43-OPN-2	
9-37-OPN-2	9-43-OPN-3	
9-37-OPN-3	9-43-OPN-4	

INDUSTRIAL OUTFALLS:

9-41-OPN-1
9-41-OPN-1
9-43-OPN-1
9-45-OPN-1
9-46-OPN-1

ST☐ – SEPTIC TANK

IT☐ – HIGH EXPLOSIVES SETTLING TANK

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. 05A067

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)*	3.4	38.6						mg/l	g/y			
b. Chemical Oxygen Demand *(COD)*	32.5	369.0						mg/l	g/y			
c. Total Organic Carbon *(TOC)*	8.8	99.9						mg/l	g/y			
d. Total Suspended Solids *(TSS)*	18.0	204.4						mg/l	g/y			
e. Ammonia *(as N)*	1	11.355						mg/l	g/y			
f. Flow	VALUE 3000		VALUE		VALUE			gal/yr		VALUE		
g. Temperature *(winter)*	VALUE 18.2		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.2	MAXIMUM 9.0	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	< 5.7						mg/l	g/y			
b. Chlorine, Total Residual	X		0.2	2.3						mg/l	mg/y			
c. Color	X		18							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.32	3.6						mg/l	g/y			
f. Nitrate-Nitrite *(as N)*	X		0.985	11.2						mg/l	g/y			

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		27.4	311.1						mg/l	g/y			
h. Oil and Grease	X		24	272.5						mg/l	g/y			
i. Phosphorus (as P), Total (7723-14-0)	X		0.07	0.8						mg/l	mg/y			
j. Radioactivity														
(1) Alpha, Total	X		5	56.8						pCi/l	nCi/y			
(2) Beta, Total	X		3.8	43.1						pCi/l	nCi/y			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.04	0.5						pCi/l	pCi/y			
k. Sulfate (as SO_4) (14808-79-8)	X		6.02	68.4						mg/l	g/y			
l. Sulfide (as S)		X	< .05	< 0.6						mg/l	mg/y			
m. Sulfite (as SO_3) (14265-45-3)		X		0.0							mg/d			
n. Surfactants	X		0.36	4.1						mg/l	g/y			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.5						mg/l	mg/y			
p. Barium, Total (7440-39-3)	X		0.76	8.6						mg/l	g/y			
q. Boron, Total (7440-42-8)	X		0.03	0.3						mg/l	mg/y			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 1.1						mg/l	mg/y			
s. Iron, Total (7439-89-6)	X		0.28	3.2						mg/l	g/y			
t. Magnesium, Total (7439-95-4)	X		3	34.1						mg/l	g/y			
u. Molybdenum, Total (7439-98-7)	X		0.042	0.5						mg/l	mg/y			
v. Manganese, Total (7439-96-5)	X		0.007	79.5						mg/l	mg/y			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.6						mg/l	mg/y			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 45.4						mg/l	mg/y			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A067

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	< 0.6						mg/l	mg/y			
2M. Arsenic, Total (7440-38-2)			X	< 0.002	< 22.7						mg/l	mg/y			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 11.4						mg/l	mg/y			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.1						mg/l	mg/y			
5M. Chromium, Total (7440-47-3)		X		0.071	0.8						mg/l	mg/y			
6M. Copper, Total (7440-50-8)		X		0.032	0.4						mg/l	mg/y			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 0.6						mg/l	mg/y			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 2.3						mg/l	mg/y			
9M. Nickel, Total (7440-02-0)		X		0.11	1.2						mg/l	mg/y			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 11.4						mg/l	mg/y			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.1						mg/l	mg/y			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 4.5						mg/l	g/y			
13M. Zinc, Total (7440-66-6)		X		0.097	1.1						mg/l	mg/y			
14M. Cyanide, Total (57-12-5)			X	< 0.12	< 1.4						mg/l	mg/y			
15M. Phenols, Total			X	< 0.01	< 3.8						mg/l	mg/y			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	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 – VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X	< 0.005	< 56.8						mg/l	mg/y			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 56.8						mg/l	mg/y			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 56.8						mg/l	mg/y			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 56.8						mg/l	mg/y			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 56.8						mg/l	mg/y			
9V. Chloroethane (75-00-3)			X	< 0.01	< 3.8						mg/l	mg/y			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 56.8						mg/l	mg/y			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 56.8						mg/l	mg/y			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 56.8						mg/l	mg/y			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 56.8						mg/l	mg/y			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 56.8						mg/l	mg/y			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 56.8						mg/l	mg/y			
18V. 1,3-Dichloropropylene (542-75-6)			X		0.0							mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 56.8						mg/l	mg/y			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.1						mg/l	mg/y			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.1						mg/l	mg/y			

CONTINUED FROM PAGE V-4

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

OUTFALL NUMBER: 05A067

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 (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 — VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 56.8						mg/l	mg/y			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 56.8						mg/l	mg/y			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 56.8						mg/l	mg/y			
25V. Toluene (108-88-3)			X	< 0.005	< 56.8						mg/l	mg/y			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 56.8						mg/l	mg/y			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 56.8						mg/l	mg/y			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 56.8						mg/l	mg/y			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 56.8						mg/l	mg/y			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 56.8						mg/l	mg/y			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.1						mg/l	mg/y			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.1						mg/l	mg/y			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.1						mg/l	mg/y			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.1						mg/l	mg/y			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.1						mg/l	mg/y			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.1						mg/l	mg/y			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.1						mg/l	mg/y			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.1						mg/l	mg/y			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.1						mg/l	mg/y			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.1						mg/l	mg/y			
10A. Phenol (108-95-2)			X	< 0.010	< 0.1						mg/l	mg/y			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.1						mg/l	mg/y			

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															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.1						mg/l	mg/y			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.1						mg/l	mg/y			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.1						mg/l	mg/y			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.1						mg/l	mg/y			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.1						mg/l	mg/y			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.1						mg/l	mg/y			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.1						mg/l	mg/y			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.1						mg/l	mg/y			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.1						mg/l	mg/y			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.1						mg/l	mg/y			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.1						mg/l	mg/y			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.1						mg/l	mg/y			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.1						mg/l	mg/y			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.1						mg/l	mg/y			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.1						mg/l	mg/y			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.1						mg/l	mg/y			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.1						mg/l	mg/y			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.1						mg/l	mg/y			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.1						mg/l	mg/y			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.1						mg/l	mg/y			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.1						mg/l	mg/y			

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

OUTFALL NUMBER: 05A067

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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/y			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.1						mg/l	mg/y			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.1						mg/l	mg/y			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.0						mg/l	mg/y			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.1						mg/l	mg/y			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.1						mg/l	mg/y			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.1						mg/l	mg/y			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.1						mg/l	mg/y			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.1						mg/l	mg/y			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.1						mg/l	mg/y			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.1						mg/l	mg/y			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.1						mg/l	mg/y			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.1						mg/l	mg/y			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.1						mg/l	mg/y			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.1						mg/l	mg/y			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.1						mg/l	mg/y			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.1						mg/l	mg/y			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.1						mg/l	mg/y			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.1						mg/l	mg/y			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.1						mg/l	mg/y			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.1						mg/l	mg/y			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (If available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (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 – BASE/NEUTRAL COMPOUNDS (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.1						mg/l	mg/y			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.1						mg/l	mg/y			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.1						mg/l	mg/y			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.1						mg/l	mg/y			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 0.7						ug/l	ug/y			
2P. α-BHC (319-84-6)			X	< 0.1	< 1.1						ug/l	ug/y			
3P. β-BHC (319-85-7)			X	< 0.1	< 1.1						ug/l	ug/y			
4P. γ-BHC (58-89-9)			X	< 0.12	< 1.4						ug/l	ug/y			
5P. δ-BHC (319-86-8)			X	< 0.24	< 2.7						ug/l	ug/y			
6P. Chlordane (57-74-9)			X	< 0.25	< 2.8						ug/l	ug/y			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 0.7						ug/l	ug/y			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 0.9						ug/l	ug/y			
9P. 4,4'-DDD (72-54-8)			X	< 0.04	< 0.5						ug/l	ug/y			
10P. Dieldrin (60-57-1)			X	< 0.08	< 0.9						ug/l	ug/y			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 0.6						ug/l	ug/y			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 0.9						ug/l	ug/y			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 1.0						ug/l	ug/y			
14P. Endrin (72-20-8)			X	< 0.06	< 0.7						ug/l	ug/y			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.31	< 3.5						ug/l	mg/y			
16P. Heptachlor (76-44-8)			X	< 0.15	< 1.7						ug/l	ug/y			

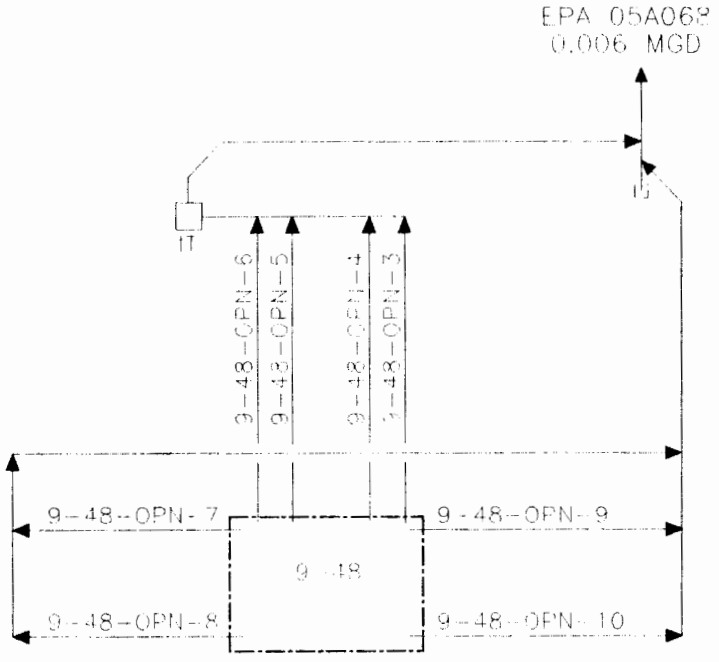
CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A067

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 (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	< 0.08	< 0.9						ug/l	ug/y			
18P. PCB-1242 (53469-21-9)			X	< 2	< 22.7						ug/l	mg/y			
19P. PCB-1254 (11097-69-1)			X	< 2	< 22.7						ug/l	mg/y			
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	< 0.83	< 9.4						ug/l	mg/y			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 28.4						ug/l	mg/y			

SCHEMATIC OF WATER FLOW
OUTFALL 05A068



RAIN DRAIN OUTFALLS:

9-48-OPN-7
9-48-OPN-8
9-48-OPN-9
9-48-OPN-10

INDUSTRIAL OUTFALLS:

9-48-OPN-3
9-48-OPN-4
9-48-OPN-5
9-48-OPN-6

IT ☐ - HIGH EXPLOSIVES SETTLING TANK

REV.1

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

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

OUTFALL NO. 05A-068

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)*	3.4	77.2						mg/l	g/y			
b. Chemical Oxygen Demand *(COD)*	32.5	738.1						mg/l	g/y			
c. Total Organic Carbon *(TOC)*	8.8	199.8						mg/l	g/y			
d. Total Suspended Solids *(TSS)*	18.0	408.8						mg/l	g/y			
e. Ammonia *(as N)*	1	22.710						mg/l	g/y			
f. Flow	VALUE 6000		VALUE		VALUE			gal/yr		VALUE		
g. Temperature *(winter)*	VALUE 18.2		VALUE		VALUE			°C		VALUE		
h. Temperature *(summer)*	VALUE N/A		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 7.2	MAXIMUM 9.0	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	< 11.4						mg/l	g/y			
b. Chlorine, Total Residual	X		0.2	4.5						mg/l	mg/y			
c. Color	X		18							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		0.32	7.3						mg/l	g/y			
f. Nitrate–Nitrite *(as N)*	X		0.985	22.4						mg/l	g/y			

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		27.4	622.3						mg/l	g/y			
h. Oil and Grease	X		24	545.0						mg/l	g/y			
i. Phosphorus (as P), Total (7723-14-0)	X		0.07	1.6						mg/l	mg/y			
j. Radioactivity														
(1) Alpha, Total	X		5	113.6						pCi/l	nCi/y			
(2) Beta, Total	X		3.8	86.3						pCi/l	nCi/y			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.04	0.9						pCi/l	pCi/y			
k. Sulfate (as SO_4) (14808-79-8)	X		6.02	136.7						mg/l	g/y			
l. Sulfide (as S)		X	< .05	< 1.1						mg/l	mg/y			
m. Sulfite (as SO_3) (14265-45-3)		X		0.0							mg/d			
n. Surfactants	X		0.36	8.2						mg/l	g/y			
o. Aluminum, Total (7429-90-5)		X	< 0.04	< 0.9						mg/l	mg/y			
p. Barium, Total (7440-39-3)	X		0.76	17.3						mg/l	g/y			
q. Boron, Total (7440-42-8)	X		0.03	0.7						mg/l	mg/y			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 2.3						mg/l	mg/y			
s. Iron, Total (7439-89-6)	X		0.28	6.4						mg/l	g/y			
t. Magnesium, Total (7439-95-4)	X		3	68.1						mg/l	g/y			
u. Molybdenum, Total (7439-98-7)	X		0.042	1.0						mg/l	mg/y			
v. Manganese, Total (7439-96-5)	X		0.007	0.2						mg/l	mg/y			
w. Tin, Total (7440-31-5)		X	< 0.050	< 1.1						mg/l	mg/y			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 90.8						mg/l	mg/y			

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A-068

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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	< 1.1						mg/l	mg/y			
2M. Arsenic, Total (7440-38-2)			X	< 0.002	< 45.4						mg/l	mg/y			
3M. Beryllium, Total, 7440-41-7)			X	< 0.001	< 22.7						mg/l	mg/y			
4M. Cadmium, Total (7440-43-9)			X	< 0.010	< 0.2						mg/l	mg/y			
5M. Chromium, Total (7440-47-3)		X		0.071	1.6						mg/l	mg/y			
6M. Copper, Total (7440-50-8)		X		0.032	0.7						mg/l	mg/y			
7M. Lead, Total (7439-92-1)			X	< 0.050	< 1.1						mg/l	mg/y			
8M. Mercury, Total (7439-97-6)			X	< 0.0002	< 4.5						mg/l	mg/y			
9M. Nickel, Total (7440-02-0)		X		0.11	2.5						mg/l	mg/y			
10M. Selenium, Total (7782-49-2)			X	< 0.001	< 22.7						mg/l	mg/y			
11M. Silver, Total (7440-22-4)			X	< 0.010	< 0.2						mg/l	mg/y			
12M. Thallium, Total (7440-28-0)			X	< 0.4	< 9.1						mg/l	g/y			
13M. Zinc, Total (7440-66-6)		X		0.097	2.2						mg/l	mg/y			
14M. Cyanide, Total (57-12-5)			X	< 0.12	< 2.7						mg/l	mg/y			
15M. Phenols, Total			X	< 0.01	< 3.8						mg/l	mg/y			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

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 – 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/y			
4V. Bis (Chloromethyl) Ether (542-88-1)			X												
5V. Bromoform (75-25-2)			X	< 0.005	< 0.1						mg/l	mg/y			
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 0.1						mg/l	mg/y			
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.1						mg/l	mg/y			
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.1						mg/l	mg/y			
9V. Chloroethane (75-00-3)			X	< 0.01	< 3.8						mg/l	mg/y			
10V. 2-Chloroethylvinyl Ether (110-75-8)			X												
11V. Chloroform (67-66-3)			X	< 0.005	< 0.1						mg/l	mg/y			
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.1						mg/l	mg/y			
13V. Dichlorodifluoromethane (75-71-8)			X												
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.1						mg/l	mg/y			
15V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.1						mg/l	mg/y			
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.1						mg/l	mg/y			
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.1						mg/l	mg/y			
18V. 1,3-Dichloropropylene (542-75-6)			X		0.0							mg/d			
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.1						mg/l	mg/y			
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 0.2						mg/l	mg/y			
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 0.2						mg/l	mg/y			

CONTINUED FROM PAGE V-4

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 – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.1						mg/l	mg/y			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.1						mg/l	mg/y			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.1						mg/l	mg/y			
25V. Toluene (108-88-3)			X	< 0.005	< 0.1						mg/l	mg/y			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.1						mg/l	mg/y			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.1						mg/l	mg/y			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.1						mg/l	mg/y			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.1						mg/l	mg/y			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.1						mg/l	mg/y			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.2						mg/l	mg/y			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.2						mg/l	mg/y			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.2						mg/l	mg/y			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.2						mg/l	mg/y			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.2						mg/l	mg/y			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.2						mg/l	mg/y			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.2						mg/l	mg/y			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.2						mg/l	mg/y			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.2						mg/l	mg/y			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.2						mg/l	mg/y			
10A. Phenol (108-95-2)			X	< 0.010	< 0.2						mg/l	mg/y			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.2						mg/l	mg/y			

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK 'X'			3. EFFLUENT							4. UNITS		5. INTAKE (optional)		
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE (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 – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 0.2						mg/l	mg/y			
2B. Acenaphtylene (208-96-8)			X	< 0.010	< 0.2						mg/l	mg/y			
3B. Anthracene (120-12-7)			X	< 0.010	< 0.2						mg/l	mg/y			
4B. Benzidine (92-87-5)			X	< 0.010	< 0.2						mg/l	mg/y			
5B. Benzo *(a)* Anthracene (56-55-3)			X	< 0.010	< 0.2						mg/l	mg/y			
6B. Benzo *(a)* Pyrene (50-32-8)			X	< 0.010	< 0.2						mg/l	mg/y			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.2						mg/l	mg/y			
8B. Benzo *(ghi)* Perylene (191-24-2)			X	< 0.010	< 0.2						mg/l	mg/y			
9B. Benzo *(k)* Fluoranthene (207-08-9)			X	< 0.010	< 0.2						mg/l	mg/y			
10B. Bis *(2-Chloro-ethoxy)* Methane (111-91-1)			X	< 0.010	< 0.2						mg/l	mg/y			
11B. Bis *(2-Chloro-ethyl)* Ether (111-44-4)			X	< 0.010	< 0.2						mg/l	mg/y			
12B. Bis *(2-Chloroiso-propyl)* Ether (102-60-1)			X	< 0.010	< 0.2						mg/l	mg/y			
13B. Bis *(2-Ethyl-hexyl)* Phthalate (117-81-7)			X	< 0.010	< 0.2						mg/l	mg/y			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.2						mg/l	mg/y			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.2						mg/l	mg/y			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.2						mg/l	mg/y			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.2						mg/l	mg/y			
18B. Chrysene (218-01-9)			X	< 0.010	< 0.2						mg/l	mg/y			
19B. Dibenzo *(a,h)* Anthracene (53-70-3)			X	< 0.010	< 0.2						mg/l	mg/y			
20B. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.2						mg/l	mg/y			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.2						mg/l	mg/y			

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

OUTFALL NUMBER: 05A068

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 (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 – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 0.2						mg/l	mg/y			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.2						mg/l	mg/y			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.2						mg/l	mg/y			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.0						mg/l	mg/y			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.2						mg/l	mg/y			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.2						mg/l	mg/y			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.2						mg/l	mg/y			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.2						mg/l	mg/y			
30B. 1,2-Diphenylhydrazine *(as Azobenzene)* (122-66-7)			X	< 0.010	< 0.2						mg/l	mg/y			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.2						mg/l	mg/y			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.2						mg/l	mg/y			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.2						mg/l	mg/y			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.2						mg/l	mg/y			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.2						mg/l	mg/y			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.2						mg/l	mg/y			
37B. Indeno *(1,2,3-cd)* Pyrene (193-39-5)			X	< 0.010	< 0.2						mg/l	mg/y			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.2						mg/l	mg/y			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.2						mg/l	mg/y			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.2						mg/l	mg/y			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.2						mg/l	mg/y			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 0.2						mg/l	mg/y			

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 (continued)															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.2						mg/l	mg/y			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.2						mg/l	mg/y			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.2						mg/l	mg/y			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.2						mg/l	mg/y			
GC/MS FRACTION — PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 1.4						ug/l	ug/y			
2P. α-BHC (319-84-6)			X	< 0.1	< 2.3						ug/l	ug/y			
3P. β-BHC (319-85-7)			X	< 0.1	< 2.3						ug/l	ug/y			
4P. γ-BHC (58-89-9)			X	< 0.12	< 2.7						ug/l	ug/y			
5P. δ-BHC (319-86-8)			X	< 0.24	< 5.5						ug/l	ug/y			
6P. Chlordane (57-74-9)			X	< 0.25	< 5.7						ug/l	ug/y			
7P. 4,4'-DDT (50-29-3)			X	< 0.06	< 1.4						ug/l	ug/y			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 1.8						ug/l	ug/y			
9P. 4,4'-DDD (72-54-8)			X	< 0.04	< 0.9						ug/l	ug/y			
10P. Dieldrin (60-57-1)			X	< 0.08	< 1.8						ug/l	ug/y			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 1.1						ug/l	ug/y			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 1.8						ug/l	ug/y			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 2.0						ug/l	ug/y			
14P. Endrin (72-20-8)			X	< 0.06	< 1.4						ug/l	ug/y			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.31	< 7.0						ug/l	mg/y			
16P. Heptachlor (76-44-8)			X	< 0.15	< 3.4						ug/l	ug/y			

CONTINUED FROM PAGE V-8

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	05A068

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 (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	< 0.08	< 1.8						ug/l	ug/y			
18P. PCB-1242 (53469-21-9)			X	< 2	< 45.4						ug/l	mg/y			
19P. PCB-1254 (11097-69-1)			X	< 2	< 45.4						ug/l	mg/y			
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	< 0.83	< 18.8						ug/l	mg/y			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 56.8						ug/l	mg/y			

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	
9-33-OPN-6	35	51	23	106	20	35	Tributary to Pajarito Canyon an ephemeral tributary to the Rio Grande.

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

ACTIVE DISCHARGE OBSERVED DURING WASTE STREAM CHARACTERIZATION STUDY.

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)*
9-33-OPN-6	Cooling Tower Blowdown	50 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)*
9-33-OPN-6	5	6	5E-4	50	5
			MGD	GPD	Min/Hr

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)*

CONTINUED FROM THE FRONT	EPA ID Number *(copy from Item 1 of Form 1)* NM0890010515	Outfall Number 9-33-OPN-6

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)*
N/A			

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	

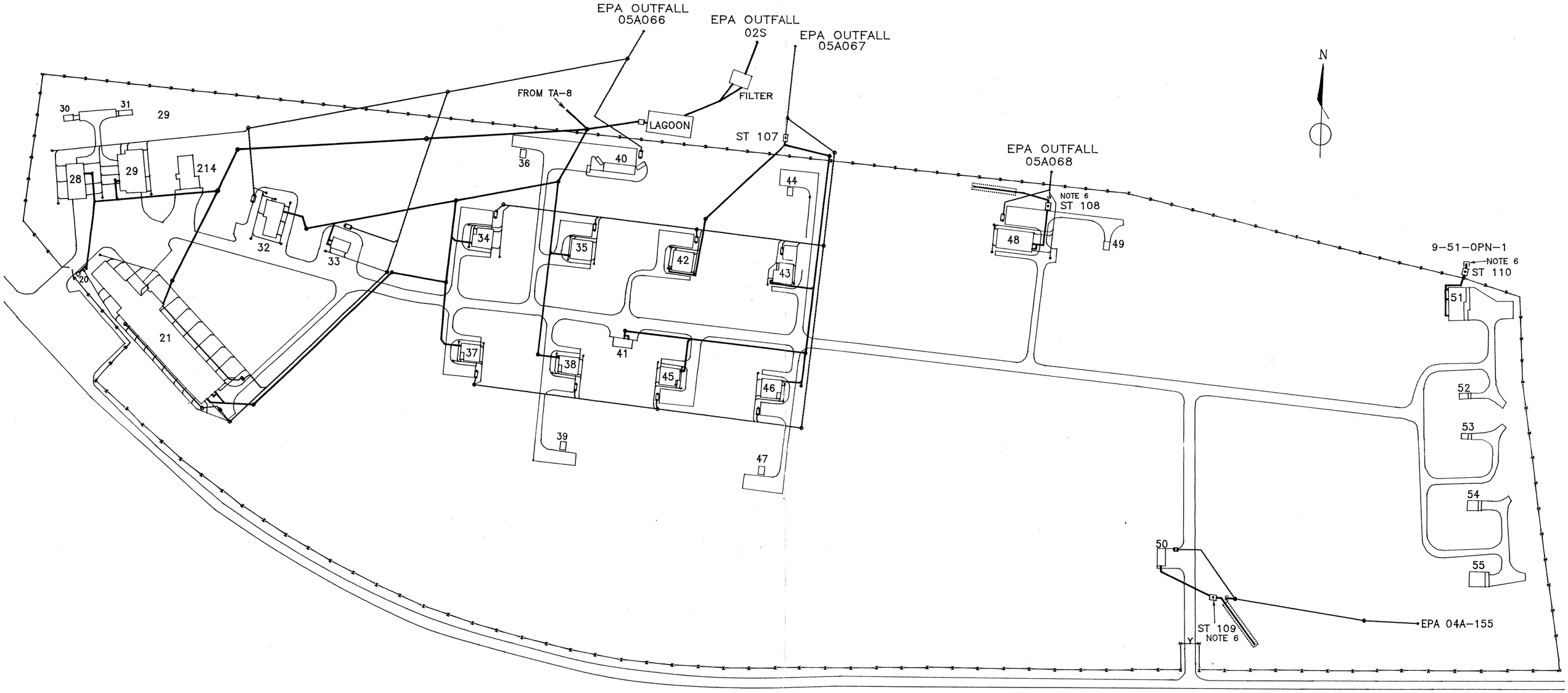
VI. Engineering Report on Wastewater Treatment

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

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	



NOTES:

1. BUILDING LAYOUT TAKEN FROM AS-BUILT DRAWINGS (ENG-C 14593 TO 14612).
2. SANITARY LAGOON LOCATED FROM AS-BUILT DRAWING (ENG-C 42762). SAND FILTER BEDS NOT SHOWN ON DRAWINGS.
3. AS-BUILT DRAWINGS FOR SEWER LINE SHOWN FROM TA-8 WERE NOT FOUND.
4. SANITARY & INDUSTRIAL SEWER LINES CONFIRMED FROM DYE STUDY (6-7-88). STORM DRAIN LINES TAKEN FROM AS-BUILT DRAWINGS (ENG-C 14593 TO 14596).
5. BUILDING 50 SEWER OUTFALL WAS BURIED, AND COULD NOT BE LOCATED DURING FIELD SURVEY.
6. SEPTIC TANK (108 & 109) DISCHARGE PIPED TO LEACH TRENCH. DISCHARGE FROM SEPTIC TANK 110 CAPPED (SEPTIC TANK CONVERTED TO A HOLDING TANK). REFERENCE WORK ORDER 6-5708-4 (S.R.26150 - 7/19/89; SEPTIC TANK 107 WORK NOT PERFORMED).

LEGEND:

- o - MANHOLE
- ⊙⊙ - INDUSTRIAL WASTE SETTLING TANK
- ⊡ - SEPTIC TANK
- —● — SEWER CLEANOUT
- ——— SANITARY SEWER LINES
- ——— INDUSTRIAL SEWER LINES
- ——— STORM SEWER LINES

15216-A

SANTA FE ENGINEERING, LTD.

TA-9 AREA PLOT PLAN	DRAWN	MSC
	DESIGN	MSC
	CHECKED	PEB
	DATE	4-3-92

SUBMITTED	RECOMMENDED	APPROVED

Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545 — SHEET 1 OF 1

CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 1	

LEGEND:
EW – EYE WASH DRAIN
FD – FLOOR DRAIN
IM – ICE MAKER
LV – LAVATORY
RD – ROOF DRAIN
SD – SINK DRAIN
SH – SHOWER DRAIN
TL – TOILET
UR – URINAL
WF – WATER FOUNTAIN DRAIN

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS:
ENG–C14616 & 14617

NOTE 2 – ROOM 102 & 142A MODIFICATIONS SHOWN ON ENG–C2800 & 2801.

NOTE 3 – PIPING LAYOUT BASED UPON DRAWINGS, AS NOTED, DYE STUDY VERIFICATION, AND SITE INSPECTION.

NOTE 4 – LETTER CONVENTION IN CIRCLE DESIGNATES DRAIN TYPE, PRECEDED BY FLOOR DESIGNATION (1 – FIRST FLOOR; 2 – SECOND FLOOR), FOLLOWED BY DRAIN NUMBER.

NOTE 5 – EYE WASH DRAIN INSTALLATION SHOWN ON ENG–C 42776.

NOTE 6 – ROOF DRAIN CONNECTION TO EXISTING DRAIN PIPING WAS DISPROVEN BY DYE STUDY. ROOF DRAIN DISCHARGE TO AN UNDERGROUND SEEPAGE AREA IS PROBABLE.

SANTA FE ENGINEERING, LTD.

TA–9–21
DRAIN PIPING SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12–4–91

SUBMITTED | RECOMMENDED | APPROVED

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Los Alamos, New Mexico 87545

SHEET 1 OF 1

CLASSIFICATION | REVIEWER | DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM–8	11056–25	FIGURE 2	

15216-B

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.

N/A

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

DYE STUDY FOR TA 9

Introduction

The sewer piping layout external to the buildings at TA-9 was verified by a dye study conducted for EM-8 (formerly HSE-8) in September, 1988. Drain pipe routing within the buildings was confirmed by dye study investigation for this report.

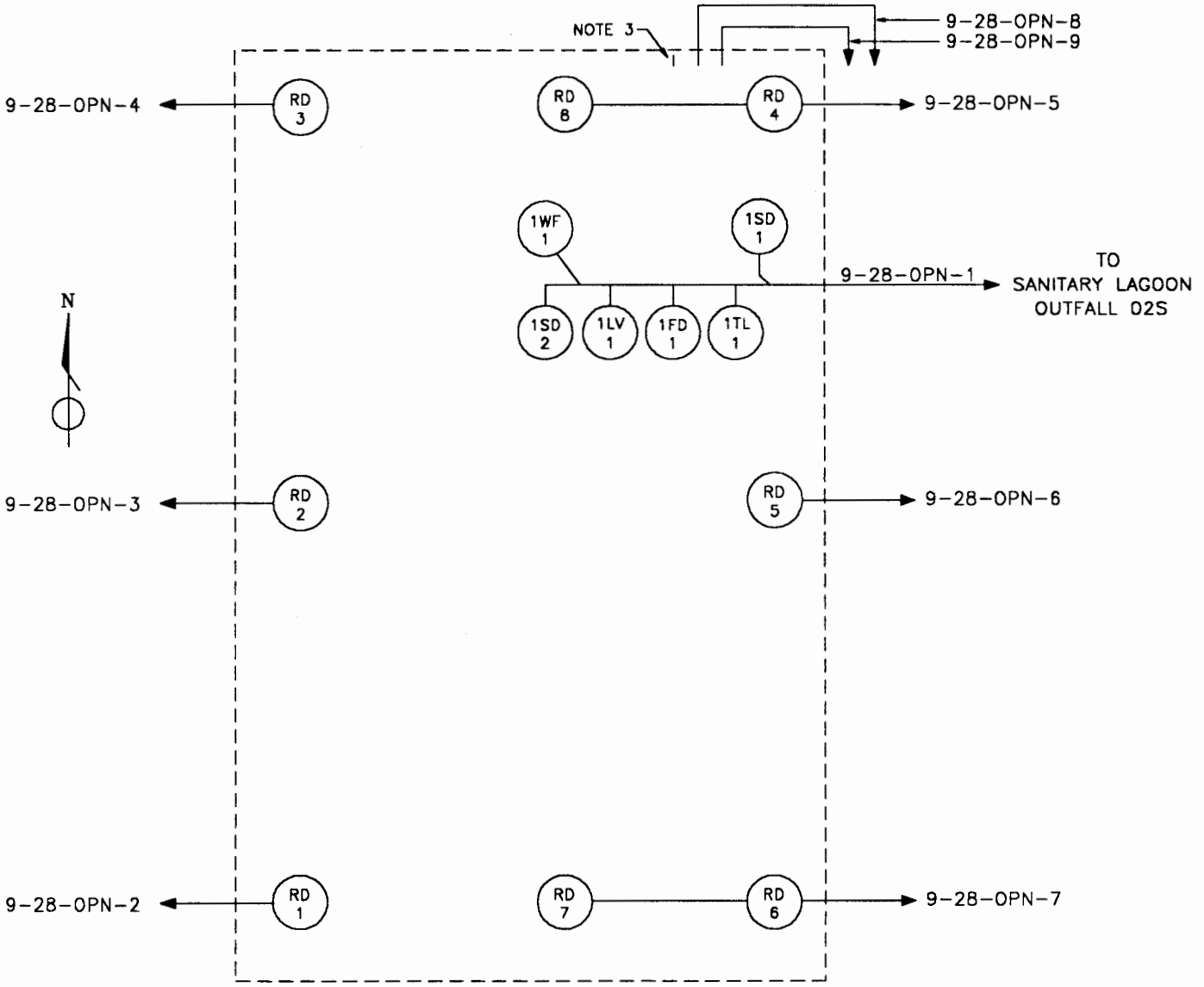
Study Description

For each building, a drain pipe schematic was be prepared from existing as-built plumbing drawings to be used for verification purposes. At each building, selected drains were tested by flowing water with colored dye to either confirm or dispute the piping schematic. The following table shows the drains that were tested in this fashion:

BUILDING	DRAIN	OUTFALL CONFIRMED	
9-21	1FD6	9-21-OPN-2	(05A066)
	1FD40	9-21-OPN-3	(05A066)
	1SD16	9-21-OPN-4	(13S)
	1SD17	9-21-OPN-4	(13S)
	RD15	9-21-OPN-6	(05A066)
9-29	RD6	9-29-OPN-7	(05A066)
9-32	1FD4	9-32-OPN-5	(05A066)
	1FD10	9-32-OPN-4	(05A066)
9-33	1FD2	9-33-OPN-1	(13S)
9-34	1SD1	9-34-OPN-2	(05A067)
9-38	1FD2	9-38-OPN-1	(13S)
9-48	1FD2	9-48-OPN-1	(13S)
9-50	1SD2	9-50-OPN-2	(04A155)

The building drain schematics in Appendix 2 show darkened circles for drains which have been dye verified. All other drains were located by site inspection.

Septic tanks 108 & 109 were verified to discharge to leach trenches, as shown on Work Order 6-5708-4 (S.R. 26150 - 7/19/89). Septic tank 110 was verified as capped, as shown on the work order. The discharge from septic tank 107 was to be piped to a leach trench on the same work order, but was found to discharge to EPA-permitted outfall 05A-067.



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
WF – WATER FOUNTAIN DRAIN

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14624
NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.
NOTE 3 – COMPRESSOR CONDENSATE BLOWDOWN AND STEAM CONDENSATE BLOWDOWN TO EQUIPMENT ROOM FLOOR.

SANTA FE ENGINEERING, LTD.

TA-9-28
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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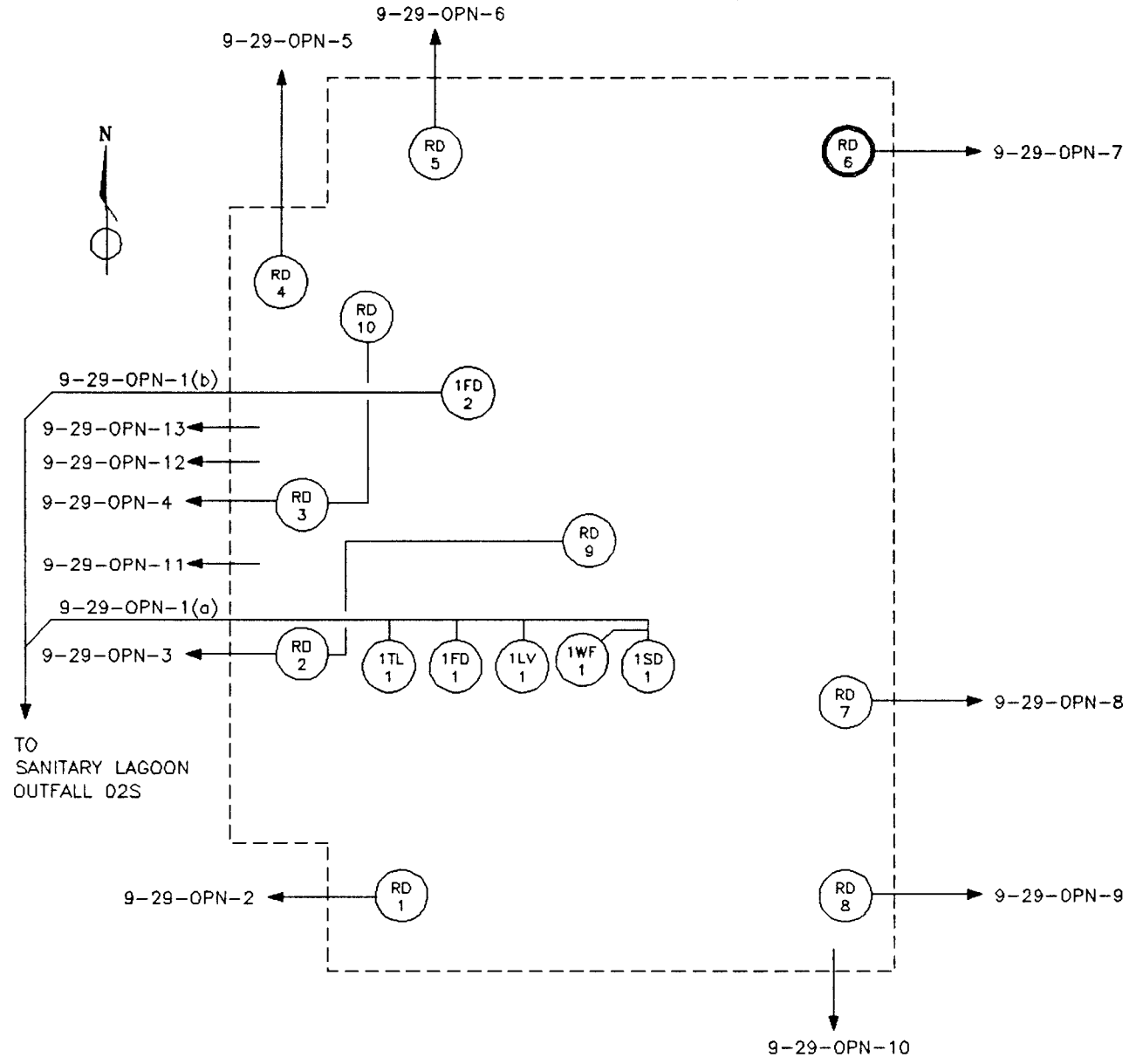
Los Alamos, New Mexico 87545

SHEET 1 OF 1

CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 3	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
WF – WATER FOUNTAIN DRAIN

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14625

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.

TA-9-29
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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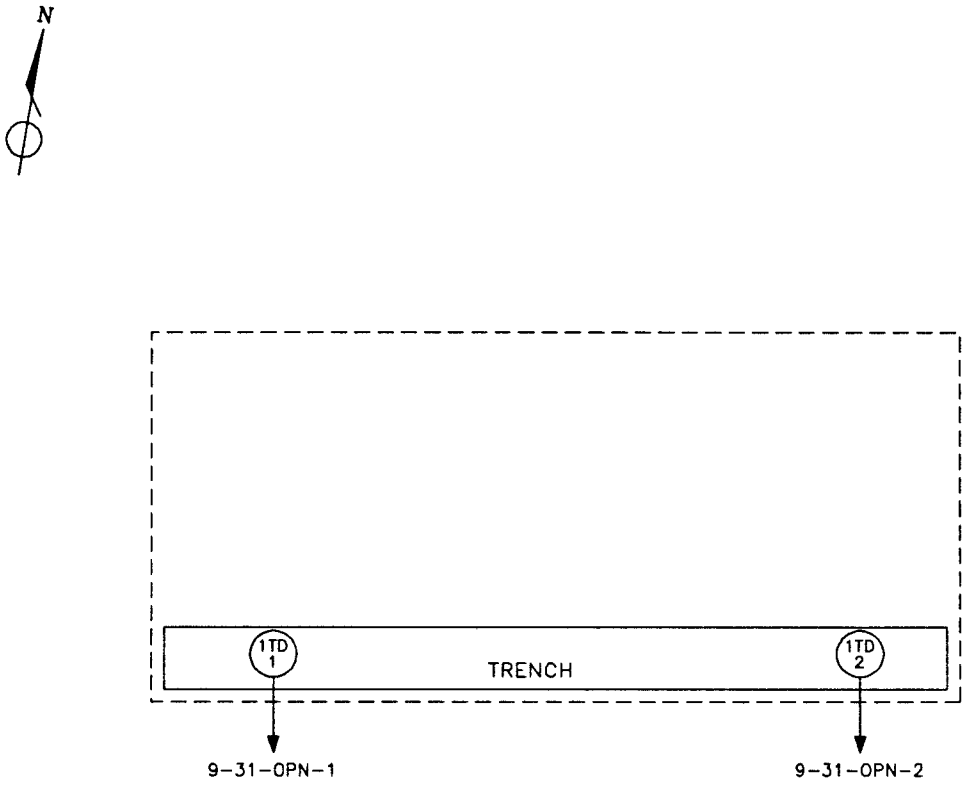
CLASSIFICATION	REVIEWER	DATE

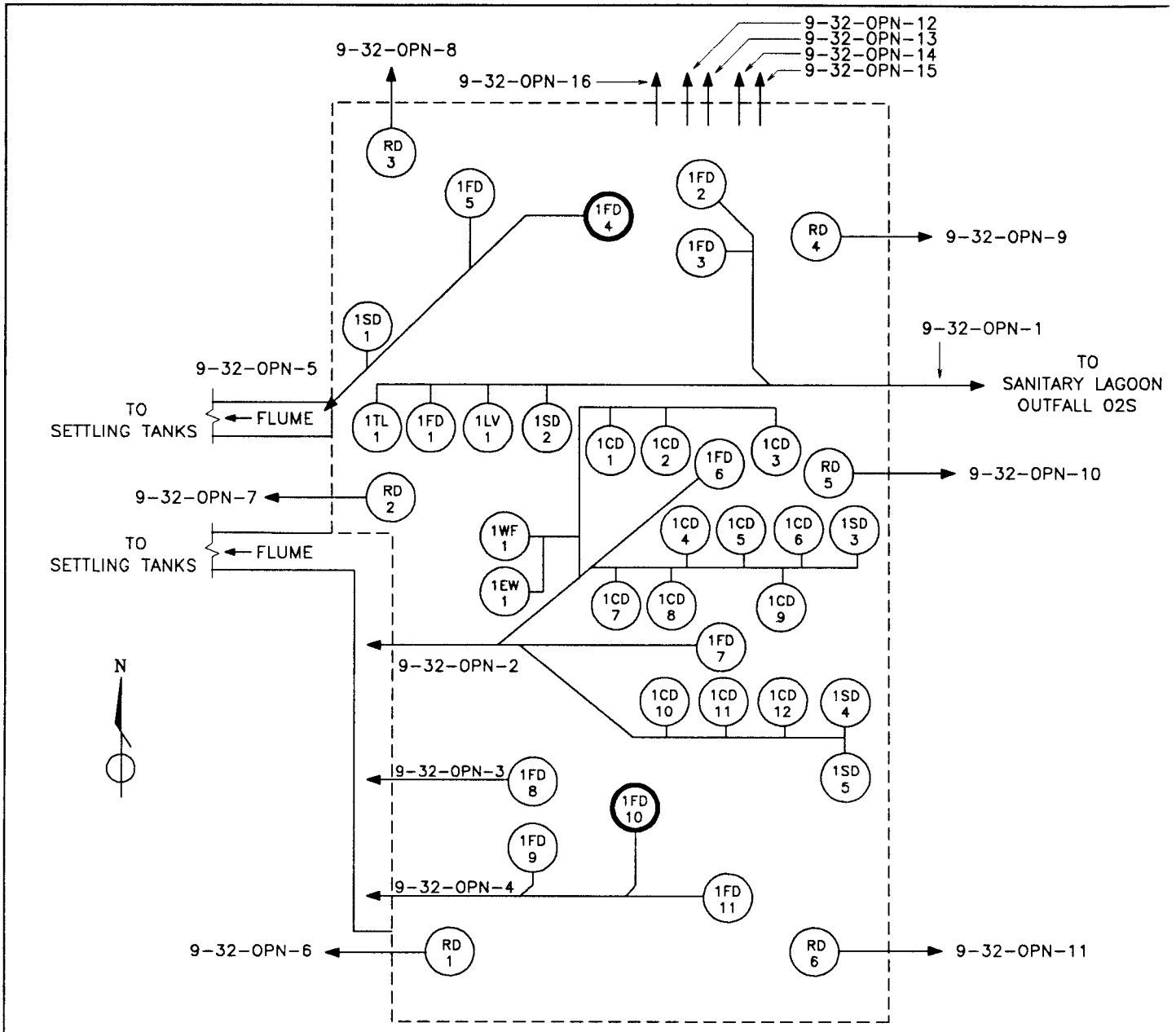
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 4	



LEGEND:
TD – TRENCH DRAIN

NOTES:
NOTE 1 – PIPING DETERMINED FROM SITE INSPECTION.

SANTA FE ENGINEERING, LTD.		
TA-9-31 BUILDING DRAIN SCHEMATIC	DRAWN	MSC
	DESIGN	MSC
	CHECKED	PEB
	DATE	12-9-91
SUBMITTED	RECOMMENDED	APPROVED
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET	1 OF 1
CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION REQUESTING GROUP EM-8	LAB JOB NO. 11056-25	DRAWING NO. FIGURE 5
		REV.



LEGEND:
EW – EYE WASH DRAIN
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
WF – WATER FOUNTAIN DRAIN

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14625, 14644

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.

TA-9-32
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

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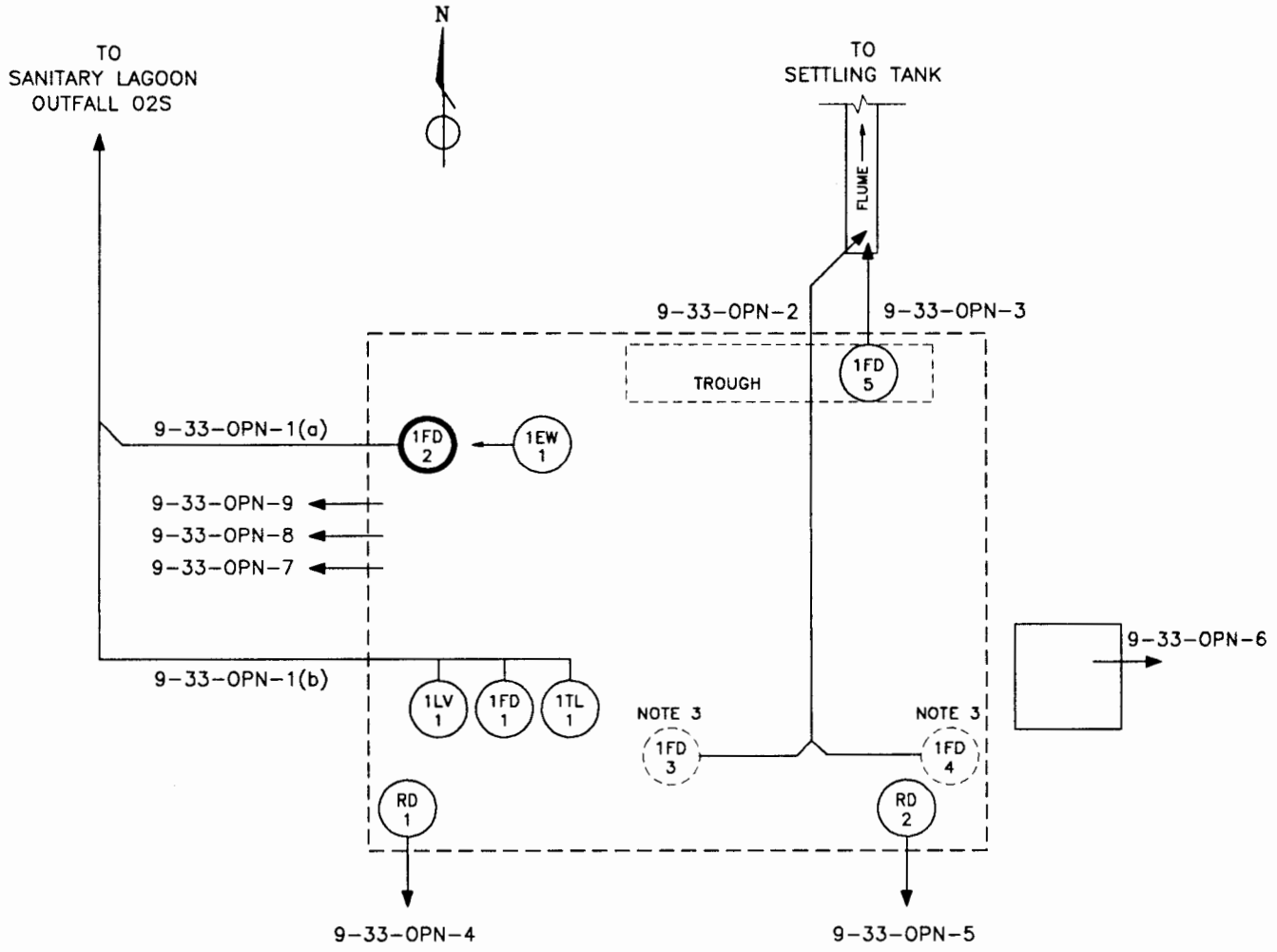
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 6	



LEGEND:
EW – EYE WASH DRAIN
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
SD – SINK DRAIN
TL – TOILET

○ – DRAINS

◌ – PLUGGED DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG–C14624

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – 1FD3 IS COVERED AND 1FD4 IS PLUGGED.

SANTA FE ENGINEERING, LTD.

TA–9–33
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
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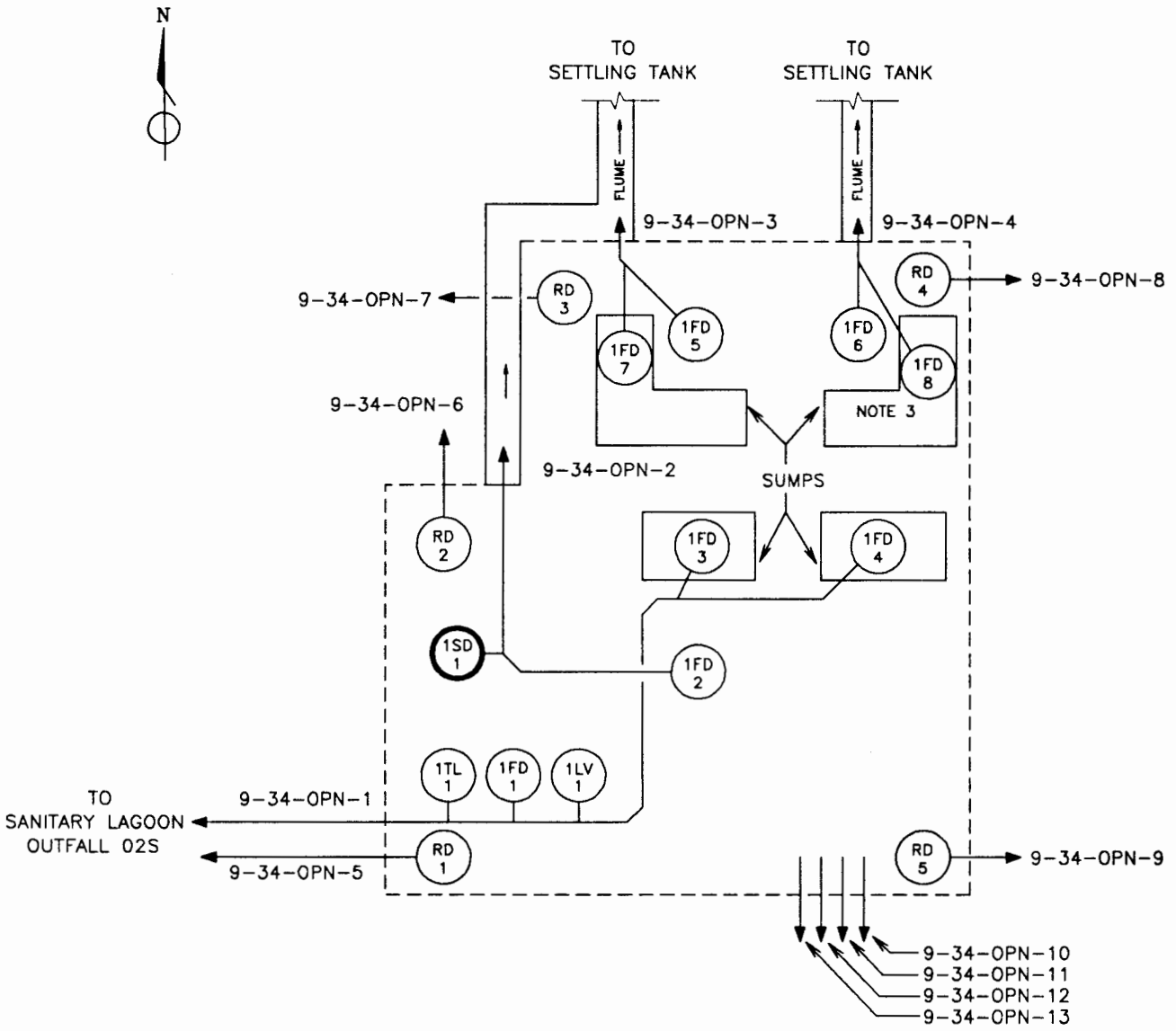
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM–8	11056–25	FIGURE 7	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – SUMP COVER COULD NOT BE LIFTED – DRAIN IS SUSPECTED, BUT WAS NOT VERIFIED.

SANTA FE ENGINEERING, LTD.

TA-9-34
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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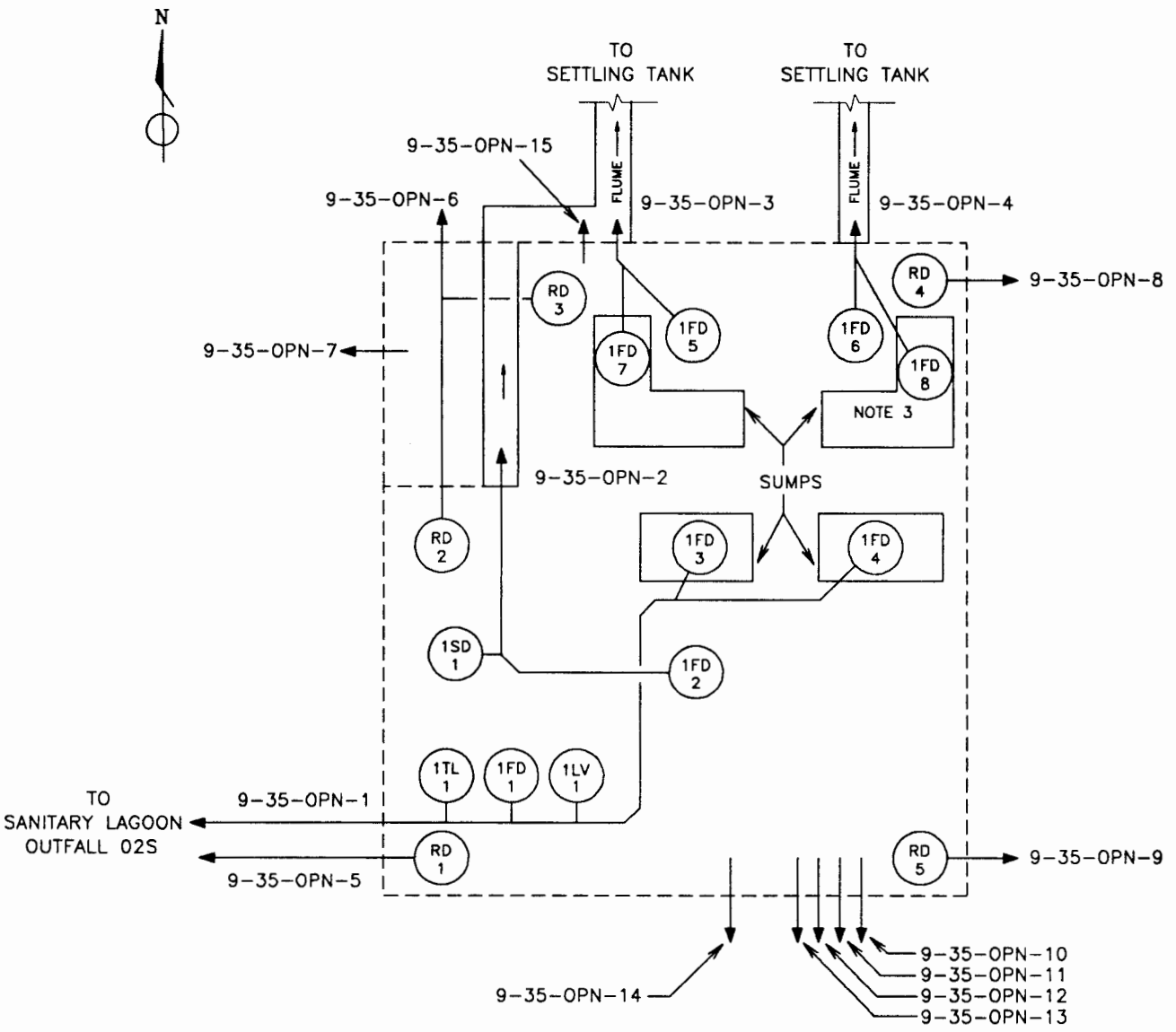
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 8	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – SUMP COVER COULD NOT BE LIFTED – DRAIN IS SUSPECTED, BUT WAS NOT VERIFIED

SANTA FE ENGINEERING, LTD.

TA-9-35
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

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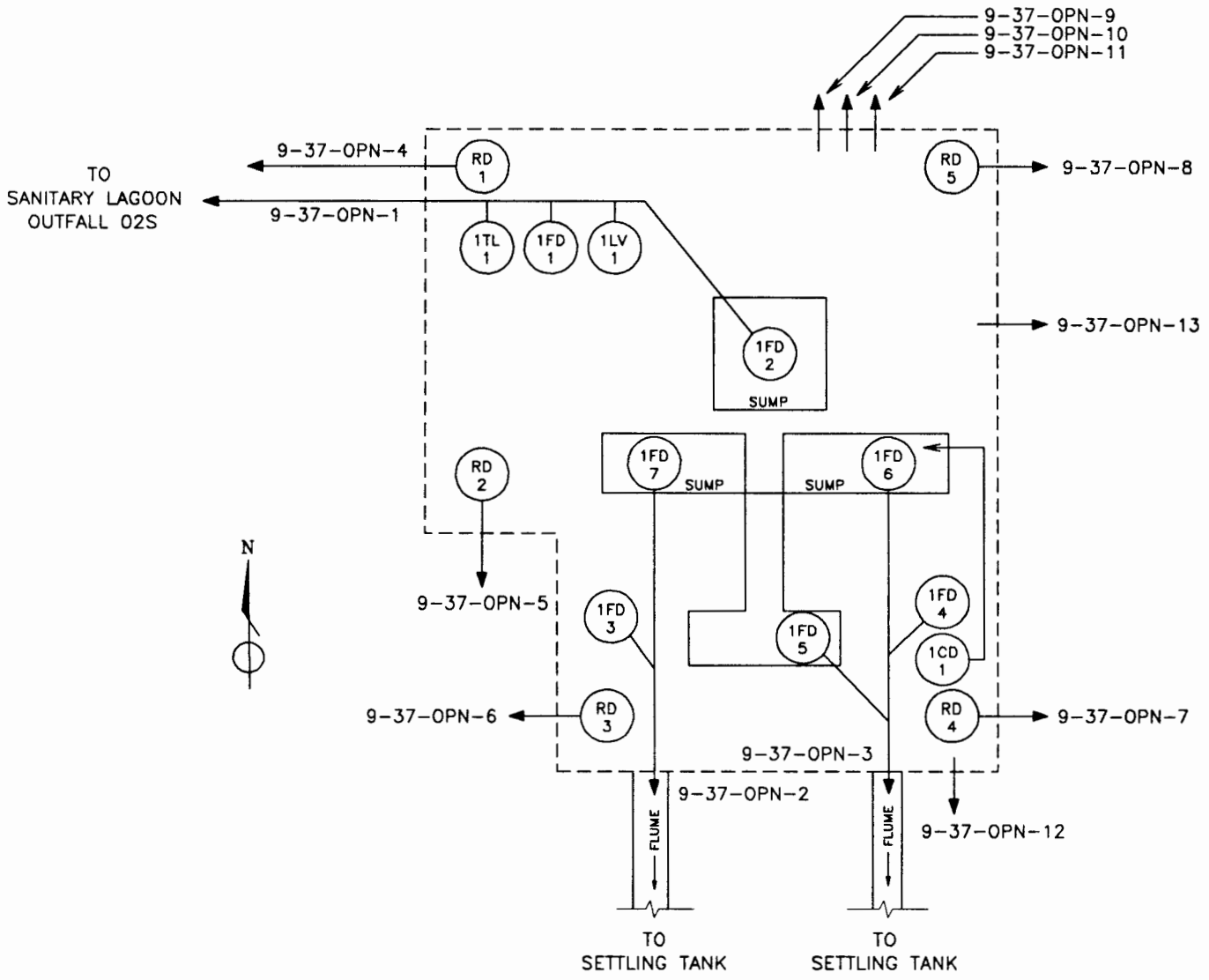
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 9	



LEGEND:
CD – CUP SINK DRAIN
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
TD – TRENCH DRAIN

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.

TA-9-37
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	SCD
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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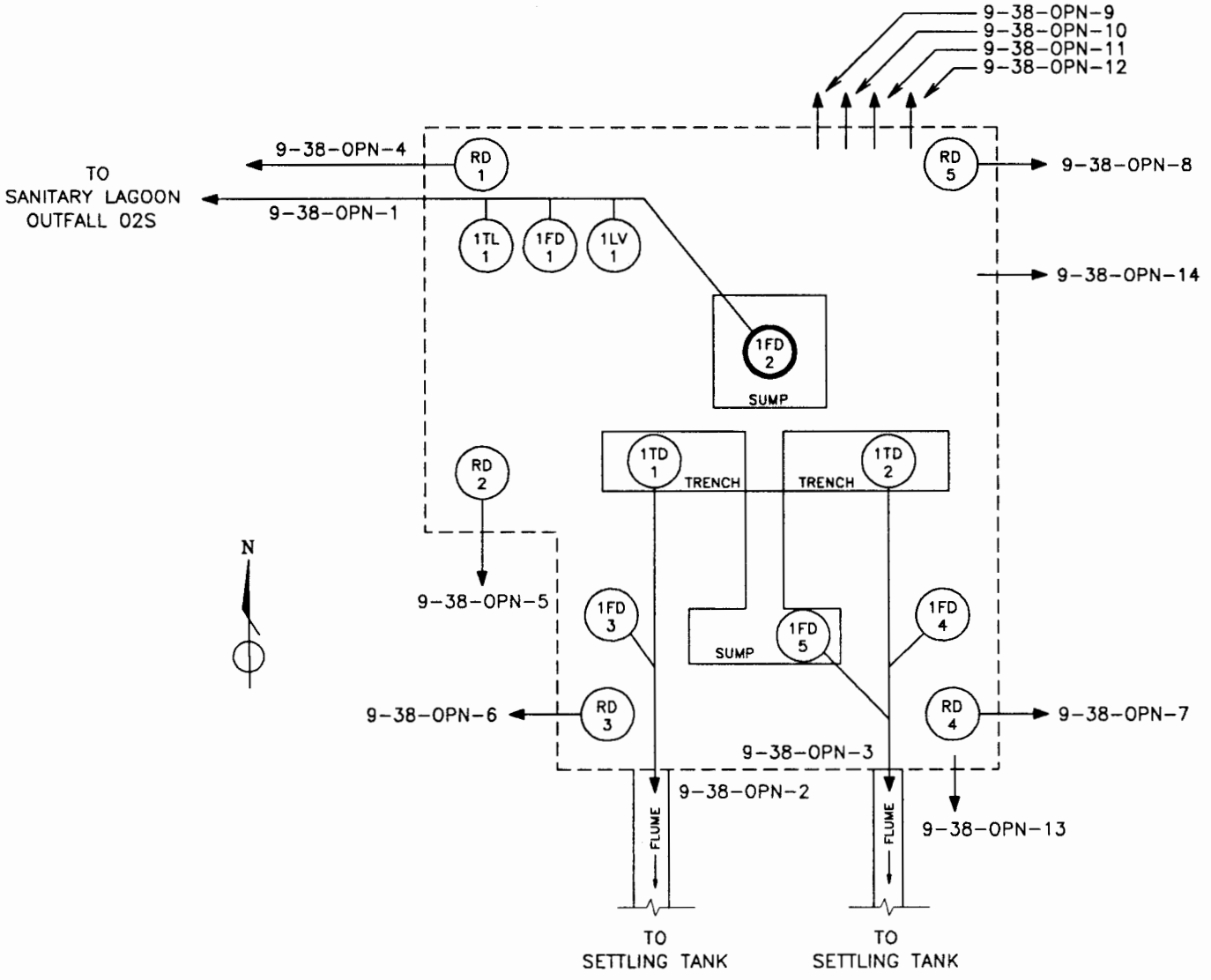
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 10	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
TD – TRENCH DRAIN

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

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TA-9-38
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	SCD
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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Los Alamos, New Mexico 87545

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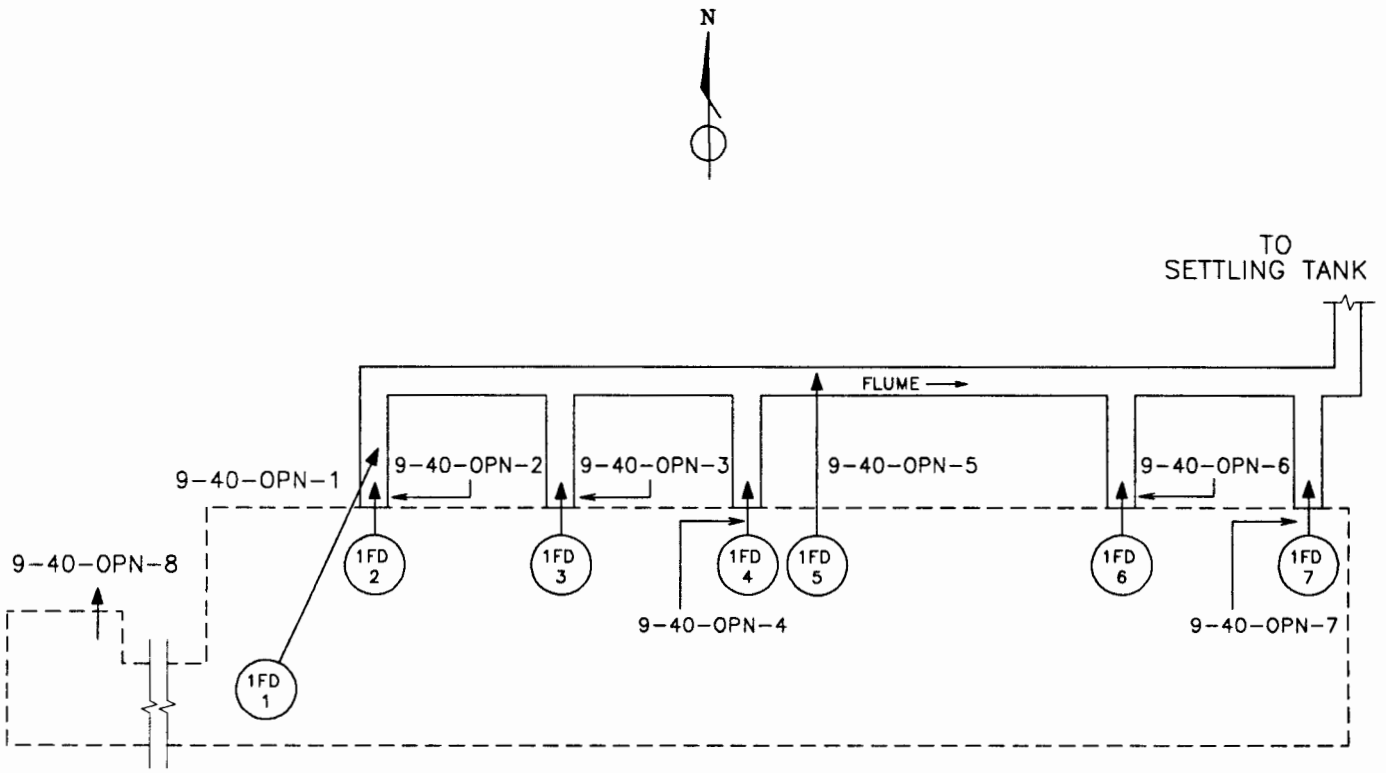
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 11	



LEGEND:

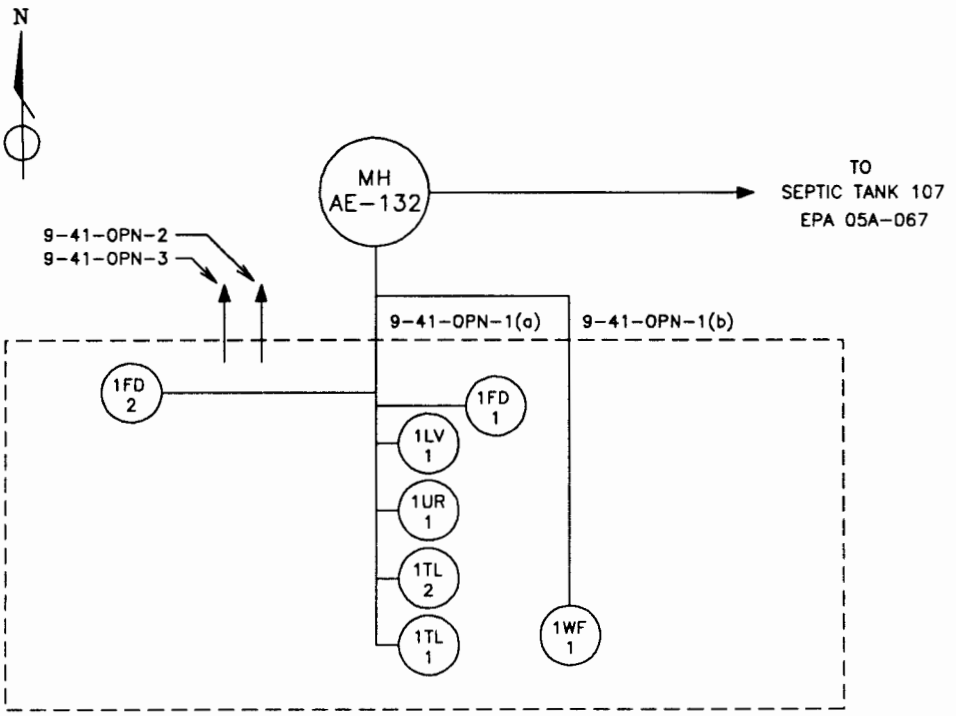
FD – FLOOR DRAIN

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14614

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.		
TA-9-40 BUILDING DRAIN SCHEMATIC	DRAWN	MSC
	DESIGN	MSC
	CHECKED	PEB
	DATE	12-9-91
SUBMITTED	RECOMMENDED	APPROVED
Los Alamos — Los Alamos National Laboratory, Los Alamos, New Mexico 87545	SHEET	1 OF 1
CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION / REQUESTING GROUP EM-8	LAB JOB NO. 11056-25	DRAWING NO. FIGURE 12 / REV.



LEGEND:

FD – FLOOR DRAIN
LV – LAVATORY DRAIN
TL – TOILET
UR – URINAL
WF – WATER FOUNTAIN DRAIN

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14614

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.

TA-9-41
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	SCD
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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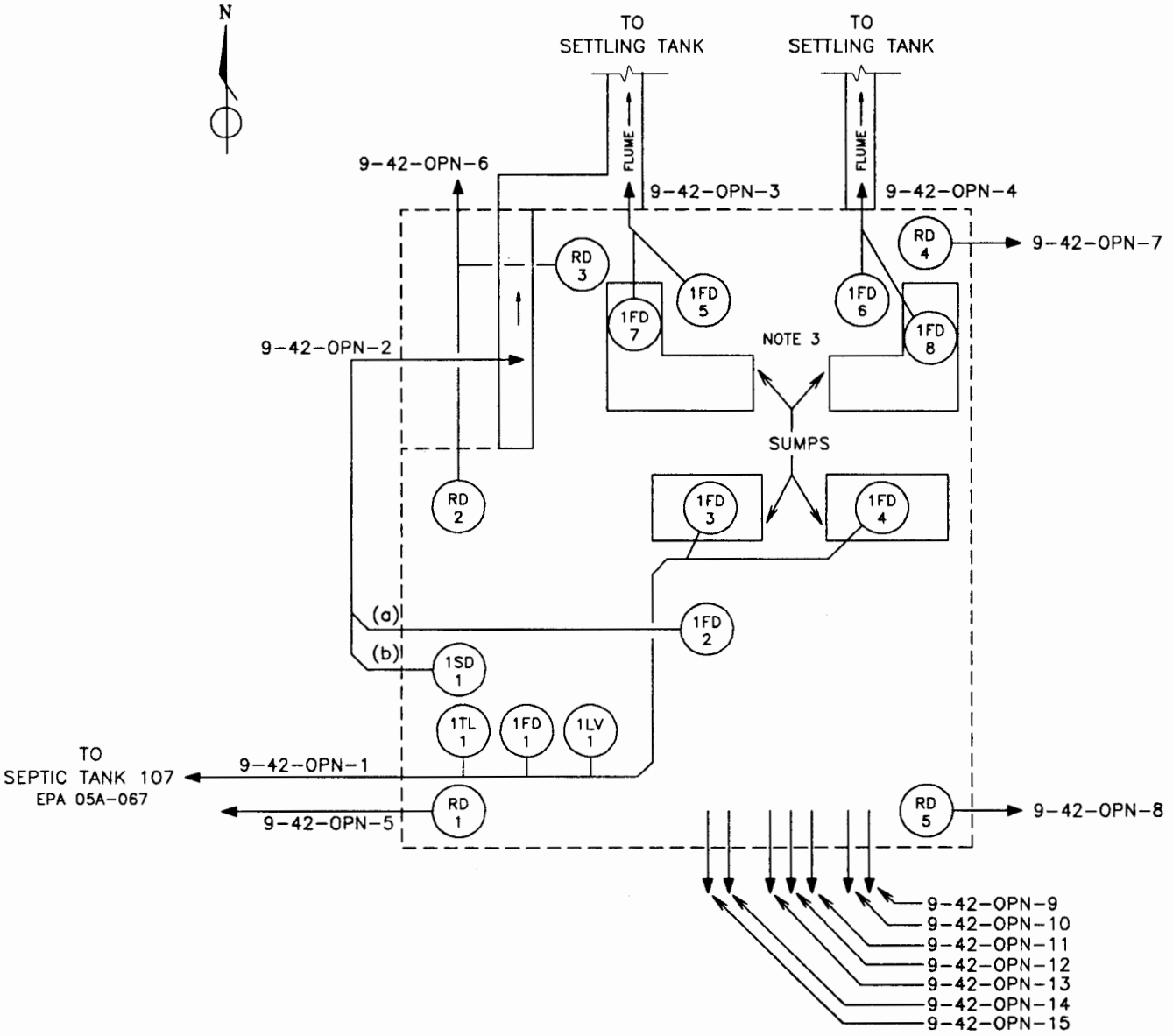
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

SHEET 1 OF 1

CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 13	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – ROOM 101 IS A VAULT, ACCESS RESTRICTED – FLOOR DRAINS AND SUMPS DETERMINED FROM DRAWINGS.

SANTA FE ENGINEERING, LTD.

TA-9-42
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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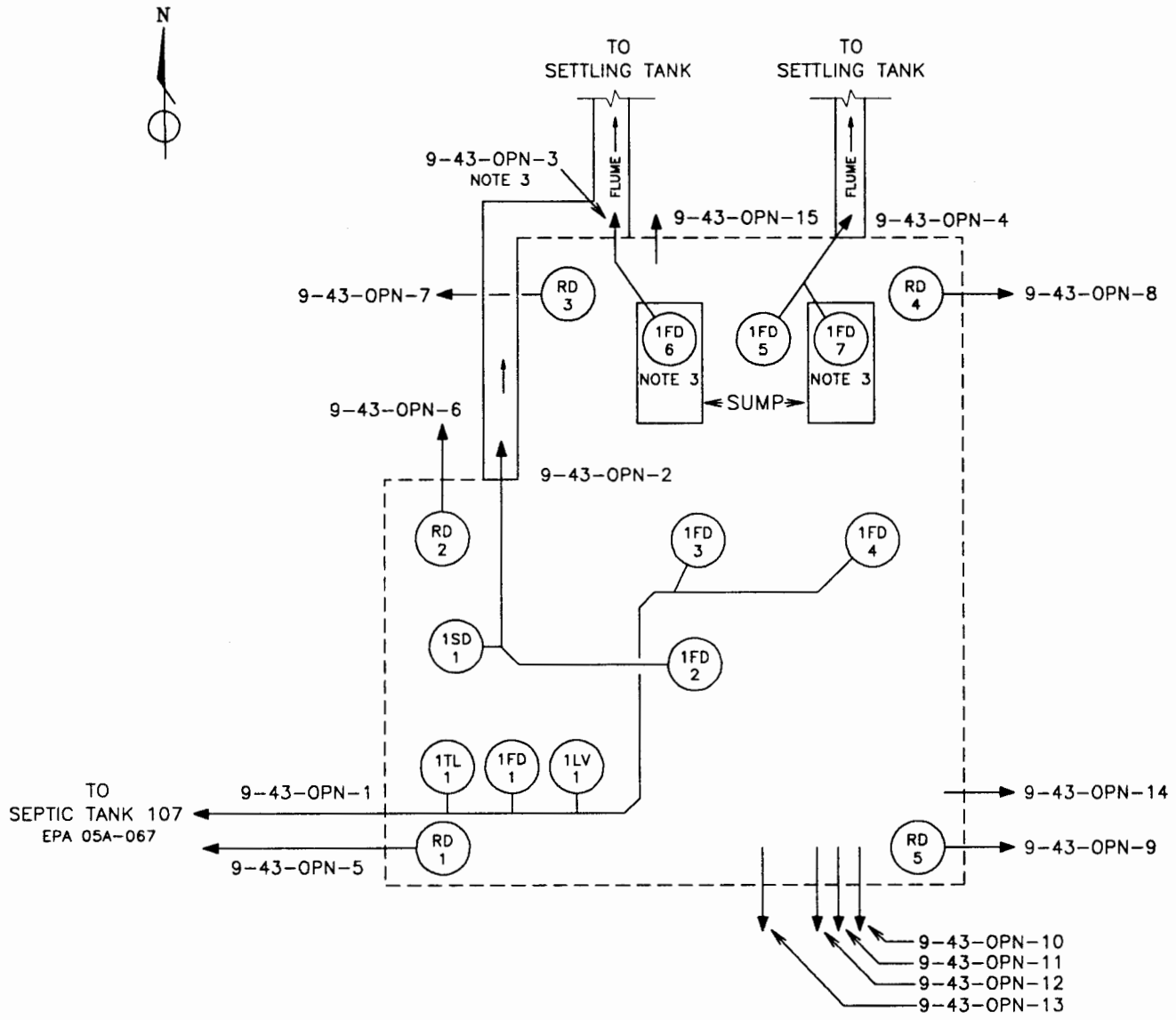
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 14	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – SUMP COVER COULD NOT BE LIFTED – DRAIN IS SUSPECTED, BUT WAS NOT VERIFIED.

SANTA FE ENGINEERING, LTD.

TA-9-43
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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Los Alamos, New Mexico 87545

SHEET 1 OF 1

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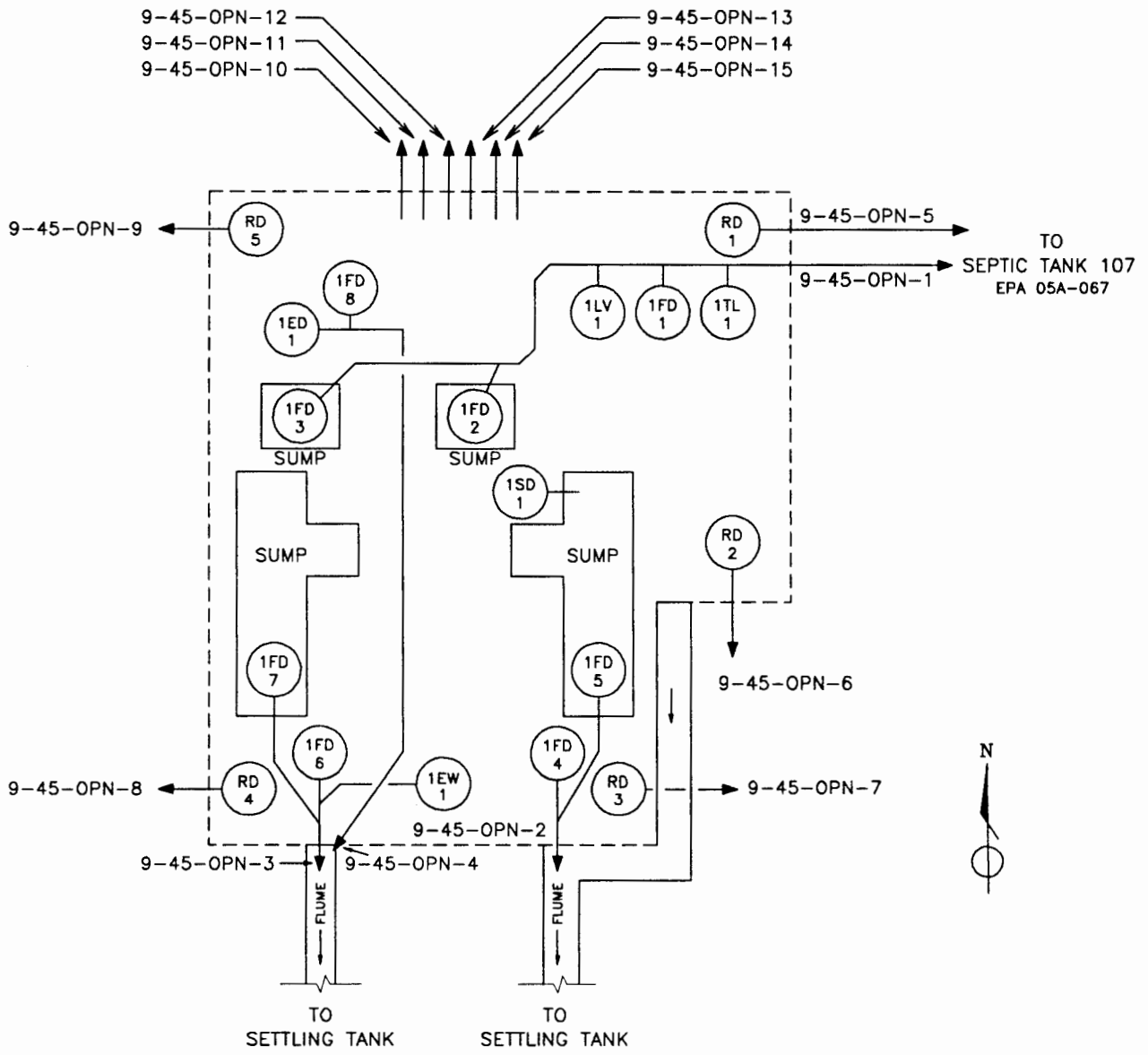
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 15	



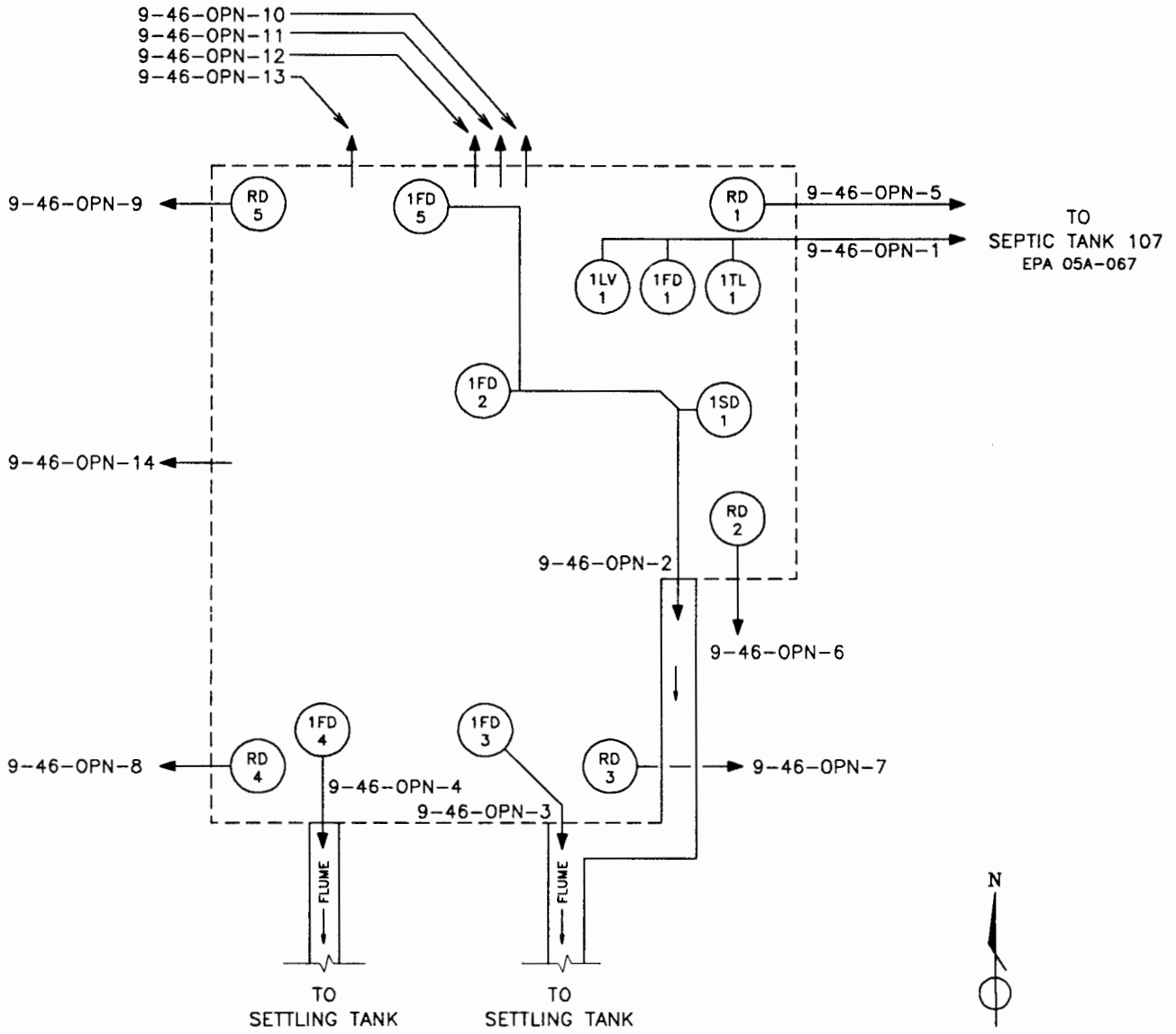
LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
ED – EQUIPMENT DRAIN

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.		
TA-9-45 BUILDING DRAIN SCHEMATIC	DRAWN	MSC
	DESIGN	MSC
	CHECKED	SCD
	DATE	12-9-91
SUBMITTED	RECOMMENDED	APPROVED
Los Alamos Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET	1 OF 1
CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION REQUESTING GROUP EM-8	LAB JOB NO. 11056-25	DRAWING NO. FIGURE 16
		REV.



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14626

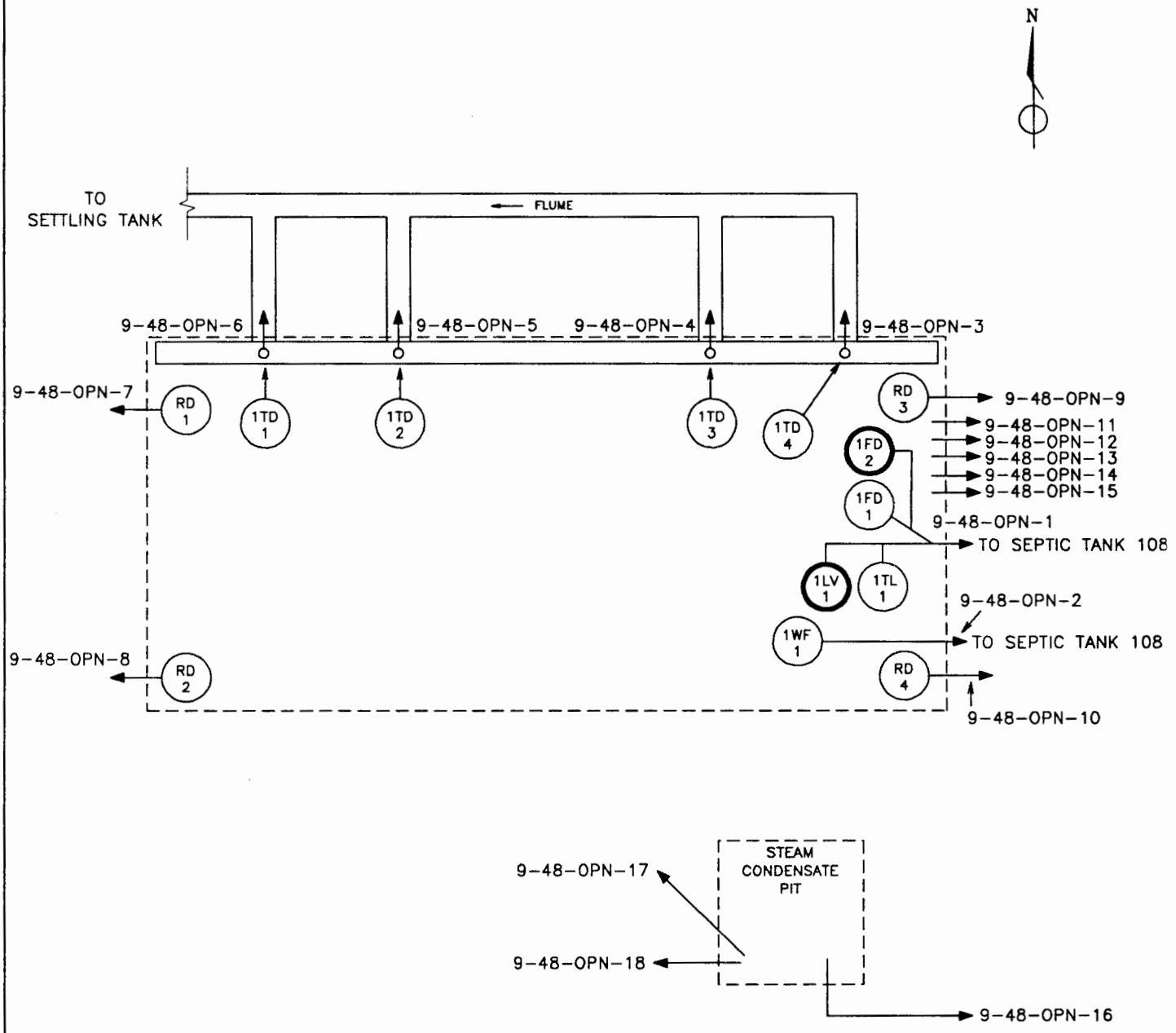
NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.		
TA-9-46 BUILDING DRAIN SCHEMATIC	DRAWN	MSC
	DESIGN	MSC
	CHECKED	PEB
	DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

Los Alamos	Los Alamos National Laboratory Los Alamos, New Mexico 87545	SHEET	1 OF 1

CLASSIFICATION	REVIEWER	DATE	
REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 17	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
RD – ROOF DRAIN
SD – SINK DRAIN
TL – TOILET
TD – TROUGH DRAIN
WF – WATER FOUNTAIN DRAIN

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:
NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14627

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

SANTA FE ENGINEERING, LTD.

TA-9-48
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	2-24-92

SUBMITTED	RECOMMENDED	APPROVED

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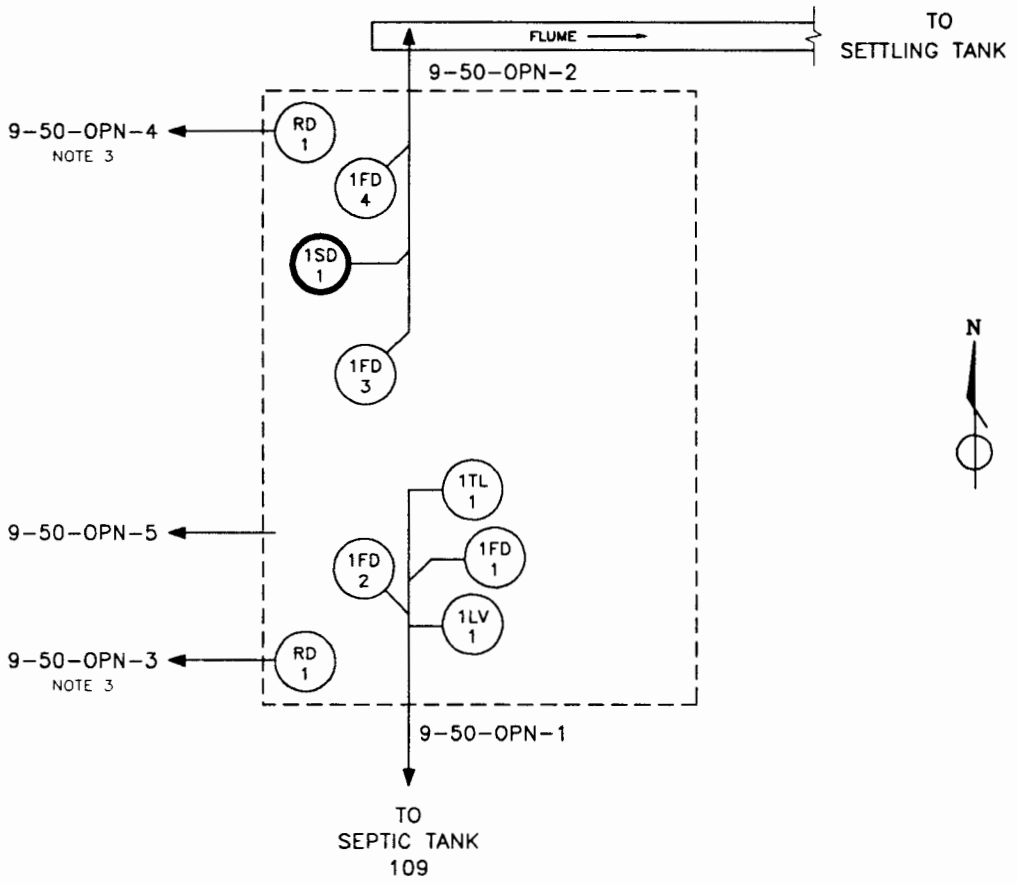
CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 18	1



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
SD – SINK DRAIN
TL – TOILET

○ – DRAINS

◎ – DYE TESTED DRAINS FOR CONFIRMATION OF DRAIN PIPING

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14624

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – ROOF DRAIN DISCHARGES NOT FOUND.

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TA-9-50
BUILDING DRAIN SCHEMATIC

DRAWN	MSC
DESIGN	MSC
CHECKED	PEB
DATE	12-9-91

SUBMITTED	RECOMMENDED	APPROVED

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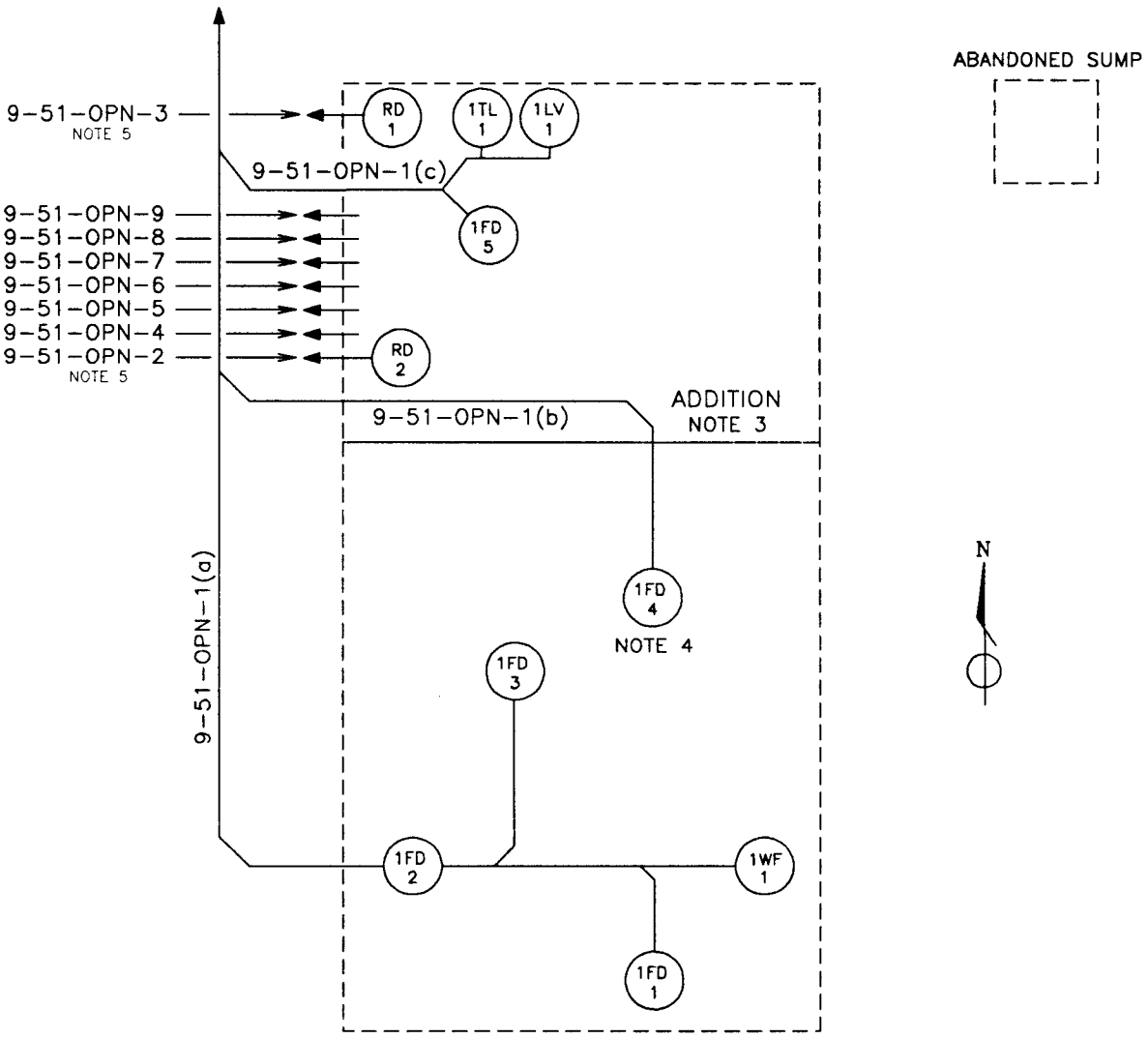
SHEET 1 OF 1

CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 19	



LEGEND:
FD – FLOOR DRAIN
LV – LAVATORY DRAIN
TL – TOILET
WF – WATER FOUNTAIN DRAIN

NOTES:

NOTE 1 – PIPING LAYOUT FROM DRAWINGS: ENG-C14614

NOTE 2 – ACTUAL PIPING DETERMINED FROM DRAWINGS, AS NOTED, AND SITE INSPECTION.

NOTE 3 – ADDITION DRAWINGS NOT FOUND – DRAIN LAYOUT FROM SITE INSPECTION.

NOTE 4 – FLOOR DRAIN 4 NOT FOUND – SUSPECTED BEHIND VAULT DOOR.

NOTE 5 – ROOF DRAIN DISCHARGES NOT FOUND.

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TA-9-51
BUILDING DRAIN SCHEMATIC

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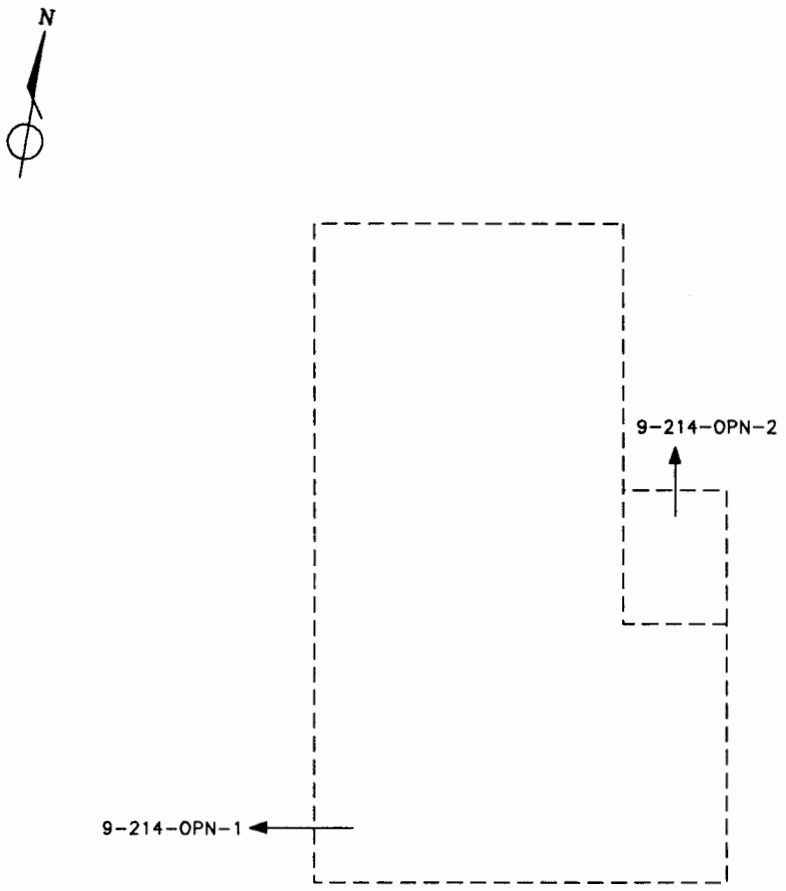
SHEET 1 OF 1

CLASSIFICATION	REVIEWER	DATE

REQUESTING DIVISION	LAB JOB NO.	DRAWING NO.	REV.
REQUESTING GROUP EM-8	11056-25	FIGURE 20	1



NOTES:
NOTE 1 – PIPING DETERMINED FROM SITE INSPECTION.

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TA-9-214 BUILDING DRAIN SCHEMATIC	DRAWN	MSC
	DESIGN	MSC
	CHECKED	PEB
	DATE	12-9-91
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CLASSIFICATION	REVIEWER	DATE
REQUESTING DIVISION / REQUESTING GROUP EM-8	LAB JOB NO. 11056-25	DRAWING NO. FIGURE 21 / REV.