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WASTEWATER STREAM CHARACTERIZATION FOR TA-43

at
Los Alamos National Laboratory

DRAFT

ENVIRONMENTAL STUDY

CHARACTERIZATION REPORT #21

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Los Alamos National Laboratory
Los Alamos, New Mexico 87545

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WASTEWATER STREAM CHARACTERIZATION FOR TA-43

an
ENVIRONMENTAL STUDY

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

under subcontract 9-XG8-2874P-1

by:
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November, 1992

EXECUTIVE SUMMARY

The buildings of TA-43, the Health Research Laboratory, were visited to document all drain piping and to make permitting recommendations. The pipes exiting the buildings are as follows:

1) from building 1: two drain the fire water protection system, two discharge storm water from the building's roof drains, three are piped to the TA-3 Sanitary Treatment Plant and two are EPA 03A permitted outfalls,

2) from building 20: one is connected to the TA-3 Sanitary Treatment Collector,

3) from Building 24: one discharges water from a sink drain to daylight,

4) from building 39: three discharge storm water from roof drains into the storm sewer, four are piped to the Los Alamos County Sewage System and one is a fire drain,

5) from building 41: one outlet pipe which is an overflow discharge and

6) from building 44: two discharge cooling water to the permitted outfall EPA 03A180.

Recommendations for repiping are provided to permit outfall consolidation to minimize permit maintenance requirements.

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

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1.0 INTRODUCTION

On October 8, 1991, Steve Veenis of Santa Fe Engineering (SFE) toured the buildings of TA-43. The purpose of this study is to identify building drain piping and to characterize the wastewater flows at the time of the visit. This report will not reflect any subsequent changes in piping or operation except for an addition to building one, completed during the summer of 1992. The Wastewater Stream Characterization Policy of April 14, 1992 was followed for this study. The following tasks were performed for this purpose:

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

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

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

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

The field investigation proceeded using drain schematic drawings prepared by SFE to aid in the field investigation to insure that all pipes exiting the building were documented.

The following information was used to define drain piping and characterize the wastewater streams:

1. Laboratory engineering drawings were used to prepare the SFE drain piping schematic. The Solid Waste Stream Characterization conducted by IT Corporation was also reviewed. The National Pollutant Discharge Elimination System (NPDES) Permit, the 1990 NPDES Permit Application submitted by Los Alamos National Laboratory (LANL) in September, 1990, the latest Federal Facilities Compliance Agreement (FFCA) between the Department of Energy (DOE) and the Evironmental Protection Agency (EPA) and the Administrative Order (AO) Docket Number VI-91-1329 issued by EPA to the University of California were used for reference;

2. SFE verified drain piping by dye checking and

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

.0 FIELD INVESTIGATION

The pipes exiting the building have been assigned Outlet Piping Numbers. 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 pipe number and the unique number for the pipe. The piping exiting the building will be labeled for easy identification in the future.

Each drain has a unique identification number. Each number consists of three parts. The first part indicates the floor on which the drain is located. The second part has letters that indicate the type of drain (see Table 1). The final part is the unique number for the drain. For example, the first floor drain in the sequence on the basement floor of a building would be labelled BFD1. Similarly, the first Roof Drain in a sequence would be identified as RD1.

The functions of each pipe exiting from the buildings are listed in Appendix 1, Tables 2 through 6, with an abbreviations list in Table 1. Appendix 2 contains the wastestream characterization database output, listing wastewater source, flow rates and periodicity information for each outfall drain. Completed EPA forms are in Appendix 3 for the appropriate outfalls. Appendix 4 provides dye study information. Flow schematics of the drains from each building are attached in Appendix 5 as Figures 1 through 7.

3.0 RECOMMENDATIONS FOR BUILDING 43-1

Table 2 is a list of the nine building outfalls. The table lists the drains that connect to each outfall pipe and includes recommendations for changes to the drain piping (see Figures 2 through 5). The discussion below gives the reasoning for the recommendations.

3.1 Outfall 43-1-OPN-1 and 43-1-OPN-2

These outfalls drain water from the building's fire water protection system. They should each be included in a Notice of Intent to Discharge (N.O.I.). No piping changes are recommended. No EPA forms were prepared.

3.2 Outfall 43-1-OPN-3

This outfall receives storm water from upper roof drains during rain and snowstorms and discharges through EPA permitted outfall 03A040. Repiping this sewer to the facility's storm sewer is recommended. EPA forms were prepared for outfall 03A040 but should not include this outlet pipe.

3.4 Outfall 43-1-OPN-4

This outfall receives storm water from lower roof drains during rain and snowstorms and joins with stormwater runoff from the parking area before entering Los Alamos Canyon to the East. No piping changes or permitting are recommended and no EPA forms were prepared.

3.4 Outfall 43-1-OPN-5

This outfall is piped to the Sanitary Collector at TA-3. It receives flow from thirty-nine floor drains, two floor sinks, thirty sinks and the basement's restroom facilites. One floor

drain, BFD15, is in an exterior stairwell and repiping it to the storm sewer is recommended. No other piping changes or permitting are recommended. No EPA forms were prepared.

3.5 Outfall 43-1-OPN-6

This outfall to the TA-3 Sanitary Collector receives flow from sanitary facilities on the first and second floor and in the basement and sub-basement. One floor drain, SBFD10, is in an exterior stairwell and repiping it to the storm sewer is recommended. No other piping changes or permitting are recommended. No EPA forms were prepared.

3.6 Outfall 43-1-OPN-7

This outfall receives sanitary waste from all of the building's sanitary facilities via 43-1-OPN-5 and 43-1-OPN-6. It is connected to the Sanitary Collector at TA-3. No piping changes or permitting are recommended. No EPA forms were prepared.

3.7 Outfall 43-1-OPN-8

This outfall is permitted as 03A040 for blowdown of water from the building's evaporative cooler. The current sources include eight floor drains and other sources discharging into them as well as the cooling water blowdown for which the outfall is permitted. Two of the floor drains are plugged and it is recommended that the other six be plugged since no significant flow is received by them and they do not comply to the permit for this outfall. Completed EPA forms are included in Appendix 3 for maintaining the 03A permit.

3.8 Outfall 43-1-OPN-9

This outfall receives flow from four roof drains and is currently connected to the permitted outfall 03A040. It is recommended that this outfall be repiped to separate it from the permitted outfall. No other piping changes or permitting are recommended. No additional EPA forms were prepared.

4.0 RECOMMENDATIONS FOR BUILDINGS 43-12, 43-22, 43-28, 43-29, 43-30, 43-36, 43-37 and 43-41

These buildings have no drains. No permitting or changes are recommended. No EPA forms were completed.

5.0 RECOMMENDATIONS FOR BUILDING 43-20

Table 3 is a description of the building's single outfall. The table lists the sources for the outfall pipe and includes recommendations for changes to the drain piping. (See Figure 6) The building outfall flows to the sewage lift station at building 43-1 and subsequently to the Sanitary Collector at TA-3. The outfall collects flow from the building's sanitary facilities. No piping changes or permitting are recommended. No EPA forms were prepared.

6.0 RECOMMENDATIONS FOR BUILDING 43-24

SWMU 43-001b

Table 4 is a description of the single building outfall. The table lists the source for the outfall pipe and includes recommendations for changes to the drain piping. The building contains one sink drain that discharges directly into Los Alamos Canyon. This sink should be disconnected from its water supply and plugged. No permitting is recommended and no EPA forms were prepared.

7.0 RECOMMENDATIONS FOR BUILDING 43-39

Table 5 is a list of the eight building outfalls. The table lists the drains that connect to each outfall pipe and includes recommendations for changes to the drain piping. (See Figure 7). The discussion below gives the reasoning for the recommendations.

7.1 Outfalls 43-39-OPN-1, 43-39-OPN-2 and 43-39-OPN-3

These three outfalls discharge water from the building's nine roof drains into Los Alamos Canyon. No piping changes or permitting are recommended. No EPA forms were prepared.

7.2 Outfall 43-39-OPN-4

This outfall drains water from the fire water protection system and discharges to daylight. It should be included in an N.O.I. No piping changes are recommended. No EPA forms were prepared.

7.3 Outfalls 43-39-OPN-5, 43-39-OPN-6, 43-39-OPN-7 and 43-39-OPN-8

These outfalls receive flow from sanitary waste sources in the building and they are connected to the City of Los Alamos' Sanitary Treatment plant. No piping changes or permitting are recommended. No EPA forms were prepared.

8.0 RECOMMENDATIONS FOR BUILDING 43-44

Table 6 is a list of the two building outfalls. The table lists the sources for the outfall pipes and includes recommendations for changes to the drain piping. (See Figure 1). The discussion below gives the reasoning for the recommendations.

8.1 Outfall 43-44-OPN-1

This outfall discharges cooling tower blowdown and is currently permitted as 03A180. No piping changes are recommended. EPA Forms 2C forms are included in Appendix Three.

8.2 Outfall 43-44-OPN-2

This outfall discharges cooling tower blowdown into outfall 03A180. One outlet pipe should be sufficient for blowdown discharge from the cooling tower, therefore plugging this pipe is recommended. No permitting is recommended for this outlet pipe and no additional EPA forms were prepared.

9.0 CONCLUSION

This document provides the information to characterize the buildings in TA-43. Two NPDES application forms have been completed and are included for the following outfalls:

Form 2C:

1. 43-1-OPN-8 (03A040)
2. 43-44-OPN-1 (03A180).

The remaining outfalls in the technical area are itemized below:

Storm water drainage:

1. 43-1-OPN-3	2. 43-1-OPN-4	3. 43-1-OPN-9
4. 43-39-OPN-1	5. 43-39-OPN-2	6. 43-39-OPN-3

Discharges that are fire water system blowdowns:

1. 43-1-OPN-1	2. 43-1-OPN-2
3. 43-39-OPN-4	

Discharges to the TA-3 Sanitary Collector:

1. 43-1-OPN-5	2. 43-1-OPN-6
3. 43-20-OPN-1	4. 43-24-OPN-1

Discharges to City of Los Alamos Sanitary Waste Treatment Plant:

1. 43-39-OPN-5	2. 43-39-OPN-6
3. 43-39-OPN-7	4. 43-39-OPN-8

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

TABLE 1
SUMMARY OF ABBREVIATIONS

ABBREVIATION	MEANING
DW	Dishwasher
FD	Floor Drain
FS	Floor Sink
IM	Ice Machine
RD	Roof Drain
SD	Sink Drain
SH	Shower
TL	Toilet
UR	Urinal
WF	Water Fountain

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-1	N/A	FIRE WATER		N.O.I.	NO
43-1-OPN-2	N/A	FIRE WATER		N.O.I.	NO
43-1-OPN-3	RD1	ROOF		SEPARATE	NO
03A040	RD2	ROOF		SEPARATE	
	RD3	ROOF		SEPARATE	
	RD4	ROOF		SEPARATE	
	RD5	ROOF		SEPARATE	
	RD6	ROOF		SEPARATE	
	RD7	ROOF		SEPARATE	
	RD8	ROOF		SEPARATE	
	RD9	ROOF		SEPARATE	
43-1-OPN-4	RD10	ROOF		NO CHANGE	NO
	RD11	ROOF		NO CHANGE	
	RD12	ROOF		NO CHANGE	
	RD13	ROOF		NO CHANGE	
43-1-OPN-5	BFD04	JANITOR'S CLOSET	B209	NO CHANGE	NO
SAN. SEWER	BFD05	ANIMAL SURGERY	B155	NO CHANGE	
	BFD06	MOUSE ROOM	B161	PLUGGED	
	BFD07	MOUSE ROOM	B163	NO CHANGE	
	BFD08	MOUSE ROOM	B165	NO CHANGE	
	BFD09	MOUSE ROOM	B167	NO CHANGE	
	BFD10	MOUSE ROOM	B169	NO CHANGE	
	BFD11	MOUSE ROOM	B171	NO CHANGE	
	BFD12	MOUSE ROOM	B173	NO CHANGE	
	BFD13	MOUSE ROOM	B175	NO CHANGE	
	BFD14	CLEANING AREA	B174	NO CHANGE	
	BFD15	EXTERNAL CORRIDOR	OUTSIDE	REPIPE	
	BFD16	HALLWAY	B100F	NO CHANGE	
	BFD17	HALLWAY	B100F	NO CHANGE	
	BFD18	HALLWAY	B100F	NO CHANGE	
	BFD19	HALLWAY	B100F	NO CHANGE	
	BFD20	HALLWAY	B100F	NO CHANGE	
	BFD21	HALLWAY	B100F	NO CHANGE	
	BFD22	ANIMAL CAGE WASHING	B201	NO CHANGE	
	BFD23	MOUSE ROOM	B191	NO CHANGE	
	BFD24	MOUSE ROOM	B189	NO CHANGE	
	BFD25	MOUSE ROOM	B187	NO CHANGE	
	BFD26	MOUSE ROOM	B183	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-5 SAN. SEWER CONT.	BFD27	MOUSE ROOM	B181	NO CHANGE	NO
	BFD28	DOG AND MONKEY BREEDING ROOM	B170	NO CHANGE	
	BFD29	MONKEY METABOLISM WARD	B168	NO CHANGE	
	BFD30	HALLWAY	B100K	NO CHANGE	
	BFD31	ANIMAL QUARTERS	B210	NO CHANGE	
	BFD32	HALLWAY	B100L	NO CHANGE	
	BFD33	HALLWAY	B100B	NO CHANGE	
	BFD34	ANIMAL QUARTERS	B208	NO CHANGE	
	BFD35	DOG METABOLISM WARD	B162	NO CHANGE	
	BFD36	MOUSE ROOM	B161	NO CHANGE	
	BFD37	HALLWAY	B100D	NO CHANGE	
	BFD38	CLEANING AREA	B174	NO CHANGE	
	BFD39	SERVICE AREA	B180	NO CHANGE	
	BFD40	BATHROOM	B193	NO CHANGE	
	BFD41	MOUSE CAGE ROOM	B199	NO CHANGE	
	BFD42	SERVICE AREA	B180	NO CHANGE	
	BFS1	ANIMAL CAGE WASHING	B201	NO CHANGE	
	BFS2	ANIMAL CAGE WASHING	B201	NO CHANGE	
	BSD31	DOG AND MONKEY DIET PREP.	B178	NO CHANGE	
	BSD32	ANIMAL CLEANING AREA	B174	NO CHANGE	
	BSD33	MONKEY METABOLISM WARD	B168	NO CHANGE	
	BSD34	DOG METABOLISM WARD	B164	NO CHANGE	
	BSD35	DOG METABOLISM WARD	B162	NO CHANGE	
	BSD36	ANIMAL ROOM	B160	NO CHANGE	
	BSD43	SERVICE AREA	B180	NO CHANGE	
	BSD44	REST ROOM	B193	NO CHANGE	
	BSD45	REST ROOM	B193	NO CHANGE	
	BSD46	ANIMAL QUARTERS	B210	NO CHANGE	
	BSD47	ANIMAL QUARTERS	B208	NO CHANGE	
	BSD48	ANIMAL QUARTERS	B206	NO CHANGE	
	BSD49	ANIMAL SICK BAY	B158	NO CHANGE	
	BSD50	MOUSE ROOM	B161	NO CHANGE	
	BSD51	MOUSE ROOM	B163	NO CHANGE	
	BSD52	MOUSE ROOM	B165	NO CHANGE	
	BSD53	MOUSE ROOM	B167	NO CHANGE	
	BSD54	MOUSE ROOM	B169	NO CHANGE	
	BSD55	MOUSE ROOM	B171	NO CHANGE	
	BSD56	MOUSE ROOM	B173	NO CHANGE	
	BSD57	MOUSE ROOM	B175	NO CHANGE	
	BSD58	MICE DIET PREPARATION	B181	NO CHANGE	
	BSD59	MOUSE ROOM	B183	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-5 SAN. SEWER CONT.	BSD60	MOUSE ROOM	B183	NO CHANGE	NO
	BSD61	MOUSE ROOM	B187	NO CHANGE	
	BSD62	MOUSE ROOM	B189	NO CHANGE	
	BSD63	MOUSE ROOM	B191	NO CHANGE	
	BSD64	JANITOR'S CLOSET	B197	PLUGGED	
	BSD65	HALLWAY	B100D	NO CHANGE	
	BSD66	DOG AND MONKEY BREEDING ROOM	B170	NO CHANGE	
	BTL4	REST ROOM	B193	NO CHANGE	
	BUR2	REST ROOM	B193	NO CHANGE	
	BWF4	HALLWAY	B100E	NO CHANGE	
43-1-OPN-6 SAN. SEWER	1FD1	EQUIPMENT	120	NO CHANGE	NO
	1FD2	ANIMAL LABORATORY	149	NO CHANGE	
	1FD3	ANIMAL LABORATORY	149	NO CHANGE	
	1FD4	EQUIPMENT	154	NO CHANGE	
	1FS1	JANITOR'S CLOSET	117	NO CHANGE	
	1IM1	EQUIPMENT	120	NO CHANGE	
	1SD02	DUST LABORATORY	126	NO CHANGE	
	1SD04	LABORATORY	130	NO CHANGE	
	1SD05	URINALYSIS LABORATORY	132	NO CHANGE	
	1SD06	URINALYSIS LABORATORY	134	NO CHANGE	
	1SD07	EQUIPMENT	125	NO CHANGE	
	1SD08	INSTRUMENT LABORATORY	127	NO CHANGE	
	1SD09	MICRO LABORATORY	131	NO CHANGE	
	1SD1	OFFICE	124	NO CHANGE	
	1SD10	JANITOR'S CLOSET	118	NO CHANGE	
	1SD11	REST ROOM	115	NO CHANGE	
	1SD12	REST ROOM	112A	NO CHANGE	
	1SD13	REST ROOM	112A	NO CHANGE	
	1SD14	OFFICE	137B	NO CHANGE	
	1SD15	OFFICE	137C	NO CHANGE	
	1SD16	CHROMATOGRAPHY LABORATORY	137	NO CHANGE	
	1SD17	LABORATORY	139	NO CHANGE	
	1SD18	SANITARY SEWER	141	NO CHANGE	
	1SD19	LABORATORY	143	NO CHANGE	
	1SD20	LABORATORY	145	NO CHANGE	
	1SD21	LABORATORY	145	NO CHANGE	
	1SD22	ANIMAL LABORATORY	147	NO CHANGE	
	1SD23	ANIMAL LABORATORY	147A	NO CHANGE	
	1SD24	ANIMAL LABORATORY	149	NO CHANGE	
	1SD25	ANIMAL LABORATORY	149	NO CHANGE	
	1SD26	ANIMAL LABORATORY	149	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-6 SAN. SEWER CONT.	1SD27	TOXICOLOGY LABORATORY	150	NO CHANGE	NO
	1SD28	TOXICOLOGY LABORATORY	148	NO CHANGE	
	1SD29	GAS AND AIR LABORATORY	146	NO CHANGE	
	1SD3	SAMPLE RECEIVING	128	NO CHANGE	
	1SD30	LABORATORY	142	NO CHANGE	
	1SD31	LABORATORY	142	NO CHANGE	
	1SD32	LABORATORY	140A	NO CHANGE	
	1SD33	RADIO LABORATORY	138	NO CHANGE	
	1SD34	RADIO LABORATORY	136	NO CHANGE	
	1TL1	REST ROOM	115	NO CHANGE	
	1TL2	REST ROOM	115	NO CHANGE	
	1TL3	REST ROOM	112A	NO CHANGE	
	1TL4	REST ROOM	112A	NO CHANGE	
	1TL5	REST ROOM	112A	NO CHANGE	
	1UR1	REST ROOM	115	NO CHANGE	
	1UR2	REST ROOM	115	NO CHANGE	
	1WF1	HALLWAY	116A	NO CHANGE	
	1WF2	LOBBY	101	NO CHANGE	
	2FD1	EQUIPMENT	216	NO CHANGE	
	2FD2	EQUIPMENT	250	NO CHANGE	
	2FS1	JANITOR'S CLOSET	215	NO CHANGE	
	2IM1	EQUIPMENT	216	NO CHANGE	
	2SD02	ORGANIC SYNTHESIS LABORATORY	222	NO CHANGE	
	2SD03	ORGANIC SYNTHESIS LABORATORY	224	NO CHANGE	
	2SD04	MICROBIOLOGY LABORATORY	226	NO CHANGE	
	2SD05	MICROBIOLOGY UTILITY	228	NO CHANGE	
	2SD06	MICROBIOLOGY UTILITY	228	NO CHANGE	
	2SD07	ORGANIC LABORATORY	225	NO CHANGE	
	2SD08	ORGANIC SYNTHESIS LABORATORY	227	NO CHANGE	
	2SD09	LABORATORY	235B	NO CHANGE	
	2SD1	ORGANIC SYNTHESIS LABORATORY	220	NO CHANGE	
	2SD10	LABORATORY	235B	NO CHANGE	
	2SD11	LABORATORY	213	NO CHANGE	
	2SD12	REST ROOM	213	NO CHANGE	
	2SD13	REST ROOM	213	NO CHANGE	
	2SD14	REST ROOM	210	NO CHANGE	
	2SD15	REST ROOM	210	NO CHANGE	
	2SD16	REST ROOM	210	NO CHANGE	
	2SD17	REST ROOM	235	NO CHANGE	
	2SD18	LABORATORY	235	NO CHANGE	
	2SD19	HISTOLOGY LABORATORY	237	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-6 SAN. SEWER CONT.	2SD20	OFFICE	237	NO CHANGE	NO
	2SD21	PHYSIOLOGY LABORATORY	232	NO CHANGE	
	2SD22	PHYSIOLOGY LABORATORY	234	NO CHANGE	
	2SD23	PHYSIOLOGY LABORATORY	236	NO CHANGE	
	2SD24	HEMATOLOGY LABORATORY	238	NO CHANGE	
	2SD25	HEMATOLOGY LABORATORY	238	NO CHANGE	
	2SD26	BIO-ORGANIC LABORATORY	240	NO CHANGE	
	2SD27	BIO-ORGANIC LABORATORY	240	NO CHANGE	
	2SD28	BIO-ORGANIC LABORATORY	242	NO CHANGE	
	2SD29	TOXICOLOGY LABORATORY	244	NO CHANGE	
	2SD30	ANIMAL LABORATORY	249	NO CHANGE	
	2SD31	ANIMAL LABORATORY	247	NO CHANGE	
	2SD32	ANIMAL LABORATORY	245	NO CHANGE	
	2SD33	CYTOLOGY LABORATORY	243	NO CHANGE	
	2SD34	CYTOLOGY LABORATORY	243	NO CHANGE	
	2SD35	PATHOLOGY LABORATORY	241	NO CHANGE	
	2TL1	REST ROOM	213A	NO CHANGE	
	2TL2	REST ROOM	213A	NO CHANGE	
	2TL3	REST ROOM	210A	NO CHANGE	
	2TL4	REST ROOM	210A	NO CHANGE	
	2UR1	REST ROOM	210	NO CHANGE	
	2UR2	REST ROOM	210	NO CHANGE	
	BFD1	TEMP. CONTROL LABORATORY	B126A	NO CHANGE	
	BFD2	TEMP. CONTROL LABORATORY	B126B	NO CHANGE	
	BFD3	HALLWAY	B132	NO CHANGE	
	BFD43	ANIMAL CAGE WASH	B213	NO CHANGE	
	BFD44	ANIMAL CAGE WASH	B213	NO CHANGE	
	BFD45	CAGE WASHING AND INCINERATION	B137	NO CHANGE	
	BFD46	CAGE WASHING AND INCINERATION	B137	NO CHANGE	
	BFD47	CAGE WASHING AND INCINERATION	B137	NO CHANGE	
	BIM1	LAB GLASS WASHROOM	B232	NO CHANGE	
	BSD1	COUNTING ROOM	B114	NO CHANGE	
	BSD10	JANITOR'S CLOSET	B230	NO CHANGE	
	BSD11	REST ROOM	B233	NO CHANGE	
	BSD12	REST ROOM	B235	NO CHANGE	
	BSD13	OFFICE	B237	NO CHANGE	
	BSD14	OFFICE	B212	NO CHANGE	
	BSD15	OFFICE	B214	NO CHANGE	
	BSD16	OFFICE	B216	NO CHANGE	
	BSD17	OFFICE	B218	NO CHANGE	
	BSD18	OFFICE	B220	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-6 SAN. SEWER CONT.	BSD19	OFFICE	B222	NO CHANGE	NO
	BSD2	COUNTER REPAIR ROOM	B116	NO CHANGE	
	BSD20	OFFICE	B224	NO CHANGE	
	BSD21	OFFICE	B247	NO CHANGE	
	BSD22	OFFICE	B244A	NO CHANGE	
	BSD23	OFFICE	B242A	NO CHANGE	
	BSD24	FLOW LABORATORY	B240	NO CHANGE	
	BSD25	FOOD PREPARATION ROOM	B127	NO CHANGE	
	BSD26	ISOLATION ROOM	B131	NO CHANGE	
	BSD27	ANIMAL ROOM	B133	NO CHANGE	
	BSD28	CAGE STORAGE	B135	NO CHANGE	
	BSD29	CAGE WASHING, INCINERATION	B137	NO CHANGE	
	BSD3	COUNTER REPAIR ROOM	B116	NO CHANGE	
	BSD30	CAGE WASHING, INCINERATION	B137	NO CHANGE	
	BSD37	SURGERY	B136	NO CHANGE	
	BSD38	ANIMAL ROOM	B130	NO CHANGE	
	BSD39	ANIMAL ROOM	B130	NO CHANGE	
	BSD4	WOOD SHOP	B117	NO CHANGE	
	BSD40	ANIMAL ROOM	B128	NO CHANGE	
	BSD41	TEMP. CONTROL LABORATORY	B126A	NO CHANGE	
	BSD42	DARK ROOM	B126C	NO CHANGE	
	BSD5	PHYSICAL CHEMISTRY LABORATORY	B122	NO CHANGE	
	BSD6	PHYSICAL CHEMISTRY LABORATORY	B124	NO CHANGE	
	BSD7	PHYISCAL CHEMISTRY LABORATORY	B124	NO CHANGE	
	BSD8	PHYSICAL CHEMISTRY LABORATORY	B126	NO CHANGE	
	BSD9	LAB GLASS WASHING	B232	NO CHANGE	
	BSH1	REST ROOM	B193	NO CHANGE	
	BTL1	REST ROOM	B233	NO CHANGE	
	BTL2	REST ROOM	B235	NO CHANGE	
	BTL3	REST ROOM	B235	NO CHANGE	
	BUR1	REST ROOM	B233	NO CHANGE	
	BWF1	HALLWAY	B100A	NO CHANGE	
	BWF2	HALLWAY	B200A	NO CHANGE	
	BWF3	HALLWAY	B200	NO CHANGE	
	PFD1	PENTHOUSE	PH	NO CHANGE	
	PFD2	PENTHOUSE	PH	NO CHANGE	
	PFD3	PENTHOUSE	PH	NO CHANGE	
	SBFD02	EQUIPMENT	SB10	NO CHANGE	
	SBFD1	MACHINE	SB17	NO CHANGE	
	SBFD10	STAIRWELL	EXTERIOR	REPIPE	
	SBFD12	EQUIPMENT	SB10	NO CHANGE	

TABLE 2: TA 43-1 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-1-OPN-6 SAN. SEWER CONT	SBFD13	EQUIPMENT	SB10	NO CHANGE	NO
	SBFD14	EQUIPMENT	SB10	NO CHANGE	
	SBFD15	EQUIPMENT	SB10	NO CHANGE	
	SBFD16	EQUIPMENT	SB10	NO CHANGE	
	SBSD1	REST ROOM	SB10A	NO CHANGE	
	SBSH1	SHOWER	SB16B	NO CHANGE	
	SBTL1	REST ROOM	SB10A	NO CHANGE	
	SBWF1	HALLWAY		NO CHANGE	
43-1-OPN-7	N/A	SANITARY SEWER/LIFT STATION		NO CHANGE	NO
43-1-OPN-8 03A040	SBFD04	BOILER ROOM	BR	PLUG	YES
	SBFD05	BOILER ROOM	BR	PLUG	
	SBFD06	BOILER ROOM	BR	PLUG	
	SBFD07	BOILER ROOM	BR	PLUG	
	SBFD08	BOILER ROOM	BR	PLUG	
	SBFD09	BOILER ROOM	BR	PLUG	
	SBFD11	AIR INLET PASSAGEWAY	EXTERIOR	PLUGGED	
	SBFD3	AIR INLET PASSAGEWAY	EXTERIOR	PLUGGED	
	N/A	COOLING TOWER BLOWDOWN	BR	NO CHANGE	
43-1-OPN-9 03A040	RD14	ROOF		SEPARATE	NO
	RD15	ROOF		SEPARATE	
	RD16	ROOF		SEPARATE	
	RD17	ROOF		SEPARATE	

TABLE 3: TA 43-20 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-20-OPN-1 SAN. SEWER	1DW1	BIO PREPARATION	B104	NO CHANGE	NO
	1SD1	BREAK AREA	A100	NO CHANGE	
	1SD2	REST ROOM	A103	NO CHANGE	
	1SD3	REST ROOM	A109	NO CHANGE	
	1SD4	STATIC LABORATORY	B101	NO CHANGE	
	1SD5	FLOW LABORATORY	B102	NO CHANGE	
	1SD6	BIO PREPARATION	B104	NO CHANGE	
	1SD7	BIO PREPARATION	B104	NO CHANGE	
	1SD8	BIO PREPARATION	B103A	NO CHANGE	
	1SH1	REST ROOM	A103	NO CHANGE	

TABLE 3: TA 43-20 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-20-OPN-1 SAN. SEWER CONT.	1SH2	REST ROOM	A109	NO CHANGE	NO
	1TL1	REST ROOM	A103	NO CHANGE	
	1TL2	REST ROOM	A109	NO CHANGE	
	1WF1	HALLWAY		NO CHANGE	

TABLE 4: TA 43-24 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-24-OPN-1	N/A	SANITARY		PLUG	NO

TABLE 5: TA 43-39 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-39-OPN-1	RD1	ROOF		NO CHANGE	NO
	RD2	ROOF		NO CHANGE	
	RD3	ROOF		NO CHANGE	
	RD4	ROOF		NO CHANGE	
	RD5	ROOF		NO CHANGE	
43-39-OPN-2	RD6	ROOF		NO CHANGE	NO
	RD7	ROOF		NO CHANGE	
	RD8	ROOF		NO CHANGE	
	RD9	ROOF		NO CHANGE	
43-39-OPN-3	RD10	ROOF		NO CHANGE	NO
	RD11	ROOF		NO CHANGE	
	RD12	ROOF		NO CHANGE	
	RD13	ROOF		NO CHANGE	
43-39-OPN-4	N/A	FIRE WATER		N.O.I.	NO
43-39-OPN-5 LOS ALAMOS SAN. SEWER	1SD10	OFFICE	139	NO CHANGE	NO
	BSD1	REST ROOM	23	NO CHANGE	
	BSD2	REST ROOM	22	NO CHANGE	
	BTL1	REST ROOM	23	NO CHANGE	

TABLE 5: TA 43-39 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-39-OPN-5	BTL2	REST ROOM	22	NO CHANGE	NO
CONT.	BWF1	REST ROOM		NO CHANGE	
43-39-OPN-6	1FD1	REST ROOM	100W	NO CHANGE	NO
LOS ALAMOS	1FD2	REST ROOM	100W	NO CHANGE	
SAN. SEWER	1FS1	JANITOR'S CLOSET	100LA	NO CHANGE	
	1SD1	OFFICE	123	NO CHANGE	
	1SD2	REST ROOM	100W	NO CHANGE	
	1SD3	REST ROOM	100W	NO CHANGE	
	1SD4	REST ROOM	100W	NO CHANGE	
	1SD5	REST ROOM	100W	NO CHANGE	
	1SH1	REST ROOM	100W	NO CHANGE	
	1SH2	REST ROOM	100W	NO CHANGE	
	1SH3	REST ROOM	100W	NO CHANGE	
	1TL1	REST ROOM	100W	NO CHANGE	
	1TL2	REST ROOM	100W	NO CHANGE	
	1TL3	REST ROOM	100W	NO CHANGE	
	1UR1	REST ROOM	100W	NO CHANGE	
	1UR2	REST ROOM	100W	NO CHANGE	
	1UR3	REST ROOM	100W	NO CHANGE	
	1WF1	HALLWAY		NO CHANGE	
	2FD1	REST ROOM	200M	NO CHANGE	
	2FD2	REST ROOM	200M	NO CHANGE	
	2FS1	JANITOR'S CLOSET	200JW	NO CHANGE	
	2SD1	OFFICE	225	NO CHANGE	
	2SD2	REST ROOM	200M	NO CHANGE	
	2SD3	REST ROOM	200M	NO CHANGE	
	2SD4	REST ROOM	200M	NO CHANGE	
	2SH1	REST ROOM	200M	NO CHANGE	
	2SH2	REST ROOM	200M	NO CHANGE	
	2SH3	REST ROOM	200M	NO CHANGE	
	2TL1	REST ROOM	200M	NO CHANGE	
	2TL2	SANITARY SEWER	200M	NO CHANGE	
	2TL3	SANITARY SEWER	200M	NO CHANGE	
	2UR1	REST ROOM	200M	NO CHANGE	
	2UR2	REST ROOM	200M	NO CHANGE	
	2UR3	REST ROOM	200M	NO CHANGE	
	2WF1	HALLWAY		NO CHANGE	
	3FD1	REST ROOM	300M	NO CHANGE	
	3FD2	REST ROOM	300M	NO CHANGE	
	3FS1	JANITOR'S CLOSET	300JW	NO CHANGE	
	3SD1	REST ROOM	300M	NO CHANGE	

TABLE 5: TA 43-39 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-39-OPN-6 LOS ALAMOS SAN. SEWER CONT.	3SD2	REST ROOM	300M	NO CHANGE	NO
	3SD3	REST ROOM	300M	NO CHANGE	
	3SH1	REST ROOM	300M	NO CHANGE	
	3SH2	REST ROOM	300M	NO CHANGE	
	3SH3	REST ROOM	300M	NO CHANGE	
	3TL1	REST ROOM	300M	NO CHANGE	
	3TL2	SANITARY SEWER	300M	NO CHANGE	
	3TL3	REST ROOM	300M	NO CHANGE	
	3UR1	REST ROOM	300M	NO CHANGE	
	3UR2	REST ROOM	300M	NO CHANGE	
	3UR3	REST ROOM	300M	NO CHANGE	
	3WF1	HALLWAY		NO CHANGE	
43-39-OPN-7 LOS ALAMOS SAN. SEWER	1SD8	SANITARY SEWER	128D	NO CHANGE	NO
	1SD9	SANITARY SEWER	128B	NO CHANGE	
	1TL7	SANITARY SEWER	128D	NO CHANGE	
	1TL8	SANITARY SEWER	128B	NO CHANGE	
	1WF4	SANITARY SEWER		NO CHANGE	
43-39-OPN-8 LOS ALAMOS SAN. SEWER	1FD3	SANITARY SEWER	100M	NO CHANGE	NO
	1FD4	SANITARY SEWER	100M	NO CHANGE	
	1FS2	SANITARY SEWER	100LB	NO CHANGE	
	1SD5	SANITARY SEWER	100M	NO CHANGE	
	1SD6	SANITARY SEWER	100M	NO CHANGE	
	1SD7	SANITARY SEWER	100M	NO CHANGE	
	1SD8	SANITARY SEWER	102	NO CHANGE	
	1SH4	SANITARY SEWER	100M	NO CHANGE	
	1SH5	SANITARY SEWER	100M	NO CHANGE	
	1SH6	SANITARY SEWER	100M	NO CHANGE	
	1TL4	SANITARY SEWER	100M	NO CHANGE	
	1TL5	SANITARY SEWER	100M	NO CHANGE	
	1TL6	SANITARY SEWER	100M	NO CHANGE	
	1UR3	SANITARY SEWER	100M	NO CHANGE	
	1UR4	SANITARY SEWER	100M	NO CHANGE	
	1UR5	SANITARY SEWER	100M	NO CHANGE	
	1WF2	SANITARY SEWER		NO CHANGE	
	1WF3	SANITARY SEWER		NO CHANGE	
	2FD3	SANITARY SEWER	200W	NO CHANGE	
	2FD4	SANITARY SEWER	200W	NO CHANGE	
	2FS2	SANITARY SEWER	200JE	NO CHANGE	
	2SD6	SANITARY SEWER	200W	NO CHANGE	
	2SD7	SANITARY SEWER	200W	NO CHANGE	
	2SD8	SANITARY SEWER	200W	NO CHANGE	

TABLE 5: TA 43-39 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-39-OPN-8 LOS ALAMOS SAN. SEWER CONT.	2SH4	SANITARY SEWER	200W	NO CHANGE	NO
	2SH5	SANITARY SEWER	200W	NO CHANGE	
	2SH6	SANITARY SEWER	200W	NO CHANGE	
	2TL4	SANITARY SEWER	200W	NO CHANGE	
	2TL5	SANITARY SEWER	200W	NO CHANGE	
	2TL6	SANITARY SEWER	200W	NO CHANGE	
	2UR3	SANITARY SEWER	200W	NO CHANGE	
	2UR4	SANITARY SEWER	200W	NO CHANGE	
	2UR5	SANITARY SEWER	200W	NO CHANGE	
	2WF2	SANITARY SEWER		NO CHANGE	
	3FD3	SANITARY SEWER	300W	NO CHANGE	
	3FD4	SANITARY SEWER	300W	NO CHANGE	
	3FS2	SANITARY SEWER	300JE	NO CHANGE	
	3SD4	SANITARY SEWER	300W	NO CHANGE	
	3SD5	SANITARY SEWER	300W	NO CHANGE	
	3SD6	SANITARY SEWER	300W	NO CHANGE	
	3SH4	SANITARY SEWER	300W	NO CHANGE	
	3SH5	SANITARY SEWER	300W	NO CHANGE	
	3SH6	SANITARY SEWER	300W	NO CHANGE	
	3TL4	SANITARY SEWER	300W	NO CHANGE	
	3TL5	SANITARY SEWER	300W	NO CHANGE	
	3TL6	SANITARY SEWER	300W	NO CHANGE	
	3UR4	SANITARY SEWER	300W	NO CHANGE	
	3UR5	SANITARY SEWER	300W	NO CHANGE	
	3UR6	SANITARY SEWER	300W	NO CHANGE	
	3WF2	SANITARY SEWER		NO CHANGE	
	BFD1	SANITARY SEWER	12	NO CHANGE	
	BFD2	SANITARY SEWER	11	NO CHANGE	
	PSD1	SANITARY SEWER	P1	NO CHANGE	

TABLE 6: TA 43-44 DRAIN SUMMARY

OUTFALL NUMBER	ID NUMBER	ROOM ACTIVITY	ROOM NUMBER	STATUS OR RECOMMENDATIONS	EPA FORM PREPARED
43-44-OPN-1 03A180	N/A	COOLING WATER		NO CHANGE	YES
43-44-OPN-2 03A180	N/A	COOLING WATER		REPIPE	NO

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TA BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1 43-1-OPN-1	N/A	N/A	FIRE WATER	100 GPY	FLOW IS NIL	no		ANNUAL TESTING
43	1 43-1-OPN-2	N/A	N/A	FIRE WATER	100 GPY	ANNUAL TESTING	no		FIRE WATER
43	1 43-1-OPN-3	03A040	RD1	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD2	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD3	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD4	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD5	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD6	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD7	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD8	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-3	03A040	RD9	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-4	N/A	RD10	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-4	N/A	RD11	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-4	N/A	RD12	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-4	N/A	RD13	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	1 43-1-OPN-5	01S	BFD04	JANITOR'S CLOSET		12 MONTHS/YEAR	no	B209	FLOOR WASHINGS
43	1 43-1-OPN-5	01S	BFD05	ANIMAL SURGERY		FLOW IS NIL	no	B155	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD06	MOUSE ROOM		NO FLOW	no	B161	PLUGGED
43	1 43-1-OPN-5	01S	BFD07	MOUSE ROOM		FLOW IS NIL	no	B163	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD08	MOUSE ROOM		FLOW IS NIL	no	B165	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD09	MOUSE ROOM		FLOW IS NIL	no	B167	FLOOR WASHINGS
43	1 43-1-OPN-5	01S	BFD10	MOUSE ROOM		FLOW IS NIL	no	B169	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD11	MOUSE ROOM		FLOW IS NIL	no	B171	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD12	MOUSE ROOM		FLOW IS NIL	no	B173	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD13	MOUSE ROOM		FLOW IS NIL	no	B175	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD14	CLEANING AREA		FLOW IS NIL	no	B174	ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD15	EXTERNAL CORRIDOR		12 MONTHS/YEAR	no	OUTSIDE	RAIN WATER, KENNEL WASHINGS
43	1 43-1-OPN-5	01S	BFD16	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD17	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD18	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD19	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD20	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD21	HALLWAY		FLOW IS NIL	no	B100F	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD22	ANIMAL CAGE WASHING		FLOW IS NIL	no	B201	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD23	MOUSE ROOM		FLOW IS NIL	no	B191	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD24	MOUSE ROOM		FLOW IS NIL	no	B189	FLOOR, ANIMAL WASHINGS
43	1 43-1-OPN-5	01S	BFD25	MOUSE ROOM		FLOW IS NIL	no	B187	FLOOR, ANIMAL WASHINGS
43	1 43 [illegible] N-5	01S	BFD26	MOUSE ROOM		FLOW IS NIL	no	B183	FLOOR, ANIMAL WASHINGS

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TA BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1 43-1-OFN-5	01S	BFD27	MOUSE ROOM		FLOW IS NIL	no	B181	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD28	DOG AND MONKEY BREEDING ROOM		FLOW IS NIL	no	B170	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD29	MONKEY METABOLISM WARD		FLOW IS NIL	no	B168	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD30	HALLWAY		FLOW IS NIL	no	B100K	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD31	ANIMAL QUARTERS		FLOW IS NIL	no	B210	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD32	HALLWAY		FLOW IS NIL	no	B100L	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD33	HALLWAY		FLOW IS NIL	no	B100B	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD34	ANIMAL QUARTERS		FLOW IS NIL	no	B208	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD35	DOG METABOLISM WARD		FLOW IS NIL	no	B162	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD36	MOUSE ROOM		FLOW IS NIL	no	B161	ANIMAL, FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD37	HALLWAY		FLOW IS NIL	no	B100D	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD38	CLEANING AREA		12 MONTHS/YEAR	no	B174	FLOOR, ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BFD39	SERVICE AREA		FLOW IS NIL	no	B180	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD40	BATHROOM		FLOW IS NIL	no	B193	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFD41	MOUSE CAGE ROOM		12 MONTHS/YEAR	no	B199	ANIMAL CAGE WASHINGS
43	1 43-1-OFN-5	01S	BFD42	SERVICE AREA		FLOW IS NIL	no	B180	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BFS1	ANIMAL CAGE WASHING		12 MONTHS/YEAR	no	B201	ANIMAL CAGE WASHINGS
43	1 43-1-OFN-5	01S	BFS2	ANIMAL CAGE WASHING		12 MONTHS/YEAR	no	B201	ANIMAL CAGE WASHINGS
43	1 43-1-OFN-5	01S	BSD31	DOG AND MONKEY DIET PREP.		FLOW IS NIL	no	B178	ANIMAL FEED, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD32	ANIMAL CLEANING AREA		FLOW IS NIL	no	B174	ANIMAL WASHINGS
43	1 43-1-OFN-5	01S	BSD33	MONKEY METABOLISM WARD		FLOW IS NIL	no	B168	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD34	DOG METABOLISM WARD		FLOW IS NIL	no	B164	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD35	DOG METABOLISM WARD		FLOW IS NIL	no	B162	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD36	ANIMAL ROOM		FLOW IS NIL	no	B160	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD43	SERVICE AREA		FLOW IS NIL	no	B180	FLOOR, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD44	REST ROOM		FLOW IS NIL	no	B193	FLOOR WASHINGS
43	1 43-1-OFN-5	01S	BSD45	REST ROOM		12 MONTHS/YEAR	no	B193	HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD46	ANIMAL QUARTERS		FLOW IS NIL	no	B210	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD47	ANIMAL QUARTERS		FLOW IS NIL	no	B208	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD48	ANIMAL QUARTERS		FLOW IS NIL	no	B206	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD49	ANIMAL SICK BAY		FLOW IS NIL	no	B158	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD50	MOUSE ROOM		FLOW IS NIL	no	B161	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD51	MOUSE ROOM		FLOW IS NIL	no	B163	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD52	MOUSE ROOM		FLOW IS NIL	no	B165	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD53	MOUSE ROOM		FLOW IS NIL	no	B167	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD54	MOUSE ROOM		FLOW IS NIL	no	B169	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD55	MOUSE ROOM		FLOW IS NIL	no	B171	ANIMAL, HAND WASHINGS
43	1 43-1-OFN-5	01S	BSD56	MOUSE ROOM		FLOW IS NIL	no	B173	ANIMAL, HAND WASHINGS

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1	43-1-OFN-5	01S	BSD57	MOUSE ROOM		FLOW IS NIL	no	B175	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD58	MICE DIET PREPARATION		FLOW IS NIL	no	B181	ANIMAL FEED, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD59	MOUSE ROOM		FLOW IS NIL	no	B183	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD60	MOUSE ROOM		FLOW IS NIL	no	B183	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD61	MOUSE ROOM		FLOW IS NIL	no	B187	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD62	MOUSE ROOM		FLOW IS NIL	no	B189	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD63	MOUSE ROOM		FLOW IS NIL	no	B191	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD64	JANITOR'S CLOSET		NO FLOW	no	B197	PLUGGED
43	1	43-1-OFN-5	01S	BSD65	HALLWAY		FLOW IS NIL	no	B1000	FLOOR, HAND WASHINGS
43	1	43-1-OFN-5	01S	BSD66	DOG AND MONKEY BREEDING ROOM		FLOW IS NIL	no	B170	ANIMAL, HAND WASHINGS
43	1	43-1-OFN-5	01S	BTL4	REST ROOM		12 MONTHS/YEAR	no	B193	TOILET
43	1	43-1-OFN-5	01S	BUR2	REST ROOM		12 MONTHS/YEAR	no	B193	URINAL
43	1	43-1-OFN-5	01S	SWF4	HALLWAY		12 MONTHS/YEAR	no	B100E	DRINKING FOUNTAIN
43	1	43-1-OFN-6	01S	1FD1	EQUIPMENT		FLOW IS NIL	no	120	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1FD2	ANIMAL LABORATORY		FLOW IS NIL	no	149	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1FD3	ANIMAL LABORATORY		FLOW IS NIL	no	149	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1FD4	EQUIPMENT		FLOW IS NIL	no	154	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1FS1	JANITOR'S CLOSET		12 MONTHS/YEAR	no	117	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1IM1	EQUIPMENT		FLOW IS NIL	no	120	ICE MACHINE DRAIN
43	1	43-1-OFN-6	01S	1SD02	DUST LABORATORY		12 MONTHS/YEAR	no	126	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD04	LABORATORY		12 MONTHS/YEAR	no	130	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD05	URINALYSIS LABORATORY		12 MONTHS/YEAR	no	132	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD06	URINALYSIS LABORATORY		12 MONTHS/YEAR	no	134	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD07	EQUIPMENT		FLOW IS NIL	no	125	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD08	INSTRUMENT LABORATORY		12 MONTHS/YEAR	no	127	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD09	MICRO LABORATORY		12 MONTHS/YEAR	no	131	COUNTERTOP LABORATORY
43	1	43-1-OFN-6	01S	1SD1	OFFICE		FLOW IS NIL	no	124	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD10	JANITOR'S CLOSET		12 MONTHS/YEAR	no	118	FLOOR WASHINGS
43	1	43-1-OFN-6	01S	1SD11	REST ROOM		12 MONTHS/YEAR	no	115	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD12	REST ROOM		12 MONTHS/YEAR	no	112A	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD13	REST ROOM		12 MONTHS/YEAR	no	112A	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD14	OFFICE		FLOW IS NIL	no	137B	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD15	OFFICE		FLOW IS NIL	no	137C	HAND WASHINGS
43	1	43-1-OFN-6	01S	1SD16	CHROMATOGRAPHY LABORATORY		12 MONTHS/YEAR	no	137	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD17	LABORATORY		12 MONTHS/YEAR	no	139	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD18	LABORATORY		12 MONTHS/YEAR	no	141	COUNTERTOP SINK
43	1	43-1-OFN-6	01S	1SD19	LABORATORY		12 MONTHS/YEAR	no	143	COUNTERTOP SINK
43	1	[illegible]-OFN-6	01S	1SD20	LABORATORY		12 MONTHS/YEAR	no	145	COUNTERTOP SINK

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1	43-1-OPN-6	01S	1SD21	LABORATORY		12 MONTHS/YEAR	no	145	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD22	ANIMAL LABORATORY		12 MONTHS/YEAR	no	147	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD23	ANIMAL LABORATORY		12 MONTHS/YEAR	no	147A	ANIMAL, HAND WASHINGS
43	1	43-1-OPN-6	01S	1SD24	ANIMAL LABORATORY		12 MONTHS/YEAR	no	149	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD25	ANIMAL LABORATORY		12 MONTHS/YEAR	no	149	ANIMAL, HAND WASHINGS
43	1	43-1-OPN-6	01S	1SD26	ANIMAL LABORATORY		12 MONTHS/YEAR	no	149	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD27	TOXICOLOGY LABORATORY		12 MONTHS/YEAR	no	150	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD28	TOXICOLOGY LABORATORY		12 MONTHS/YEAR	no	148	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD29	GAS AND AIR LABORATORY		12 MONTHS/YEAR	no	146	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD3	SAMPLE RECEIVING		12 MONTHS/YEAR	no	128	HAND WASHINGS
43	1	43-1-OPN-6	01S	1SD30	LABORATORY		12 MONTHS/YEAR	no	142	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD31	LABORATORY		12 MONTHS/YEAR	no	142	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD32	LABORATORY		12 MONTHS/YEAR	no	140A	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD33	RADIO LABORATORY		12 MONTHS/YEAR	no	136	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1SD34	RADIO LABORATORY		12 MONTHS/YEAR	no	136	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	1TL1	REST ROOM		12 MONTHS/YEAR	no	115	TOILET
43	1	43-1-OPN-6	01S	1TL2	REST ROOM		12 MONTHS/YEAR	no	115	TOILET
43	1	43-1-OPN-6	01S	1TL3	REST ROOM		12 MONTHS/YEAR	no	112A	TOILET
43	1	43-1-OPN-6	01S	1TL4	REST ROOM		12 MONTHS/YEAR	no	112A	TOILET
43	1	43-1-OPN-6	01S	1TL5	REST ROOM		12 MONTHS/YEAR	no	112A	TOILET
43	1	43-1-OPN-6	01S	1UR1	REST ROOM		12 MONTHS/YEAR	no	115	URINAL
43	1	43-1-OPN-6	01S	1UR2	REST ROOM		12 MONTHS/YEAR	no	115	URINAL
43	1	43-1-OPN-6	01S	1WF1	HALLWAY		12 MONTHS/YEAR	no	116A	WATER FOUNTAIN
43	1	43-1-OPN-6	01S	1WF2	LOBBY		12 MONTHS/YEAR	no	101	WATER FOUNTAIN
43	1	43-1-OPN-6	01S	2FD1	EQUIPMENT		FLOW IS NIL	no	216	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	2FD2	EQUIPMENT		FLOW IS NIL	no	250	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	2FS1	JANITOR'S CLOSET		12 MONTHS/YEAR	no	215	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	2IM1	EQUIPMENT		12 MONTHS/YEAR	no	216	ICE MACHINE DRAIN
43	1	43-1-OPN-6	01S	2SD02	ORGANIC SYNTHESIS LABORATORY		12 MONTHS/YEAR	no	222	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD03	ORGANIC SYNTHESIS LABORATORY		12 MONTHS/YEAR	no	224	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD04	MICROBIOLOGY LABORATORY		12 MONTHS/YEAR	no	226	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD05	MICROBIOLOGY UTILITY		12 MONTHS/YEAR	no	228	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD06	MICROBIOLOGY UTILITY		12 MONTHS/YEAR	no	228	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD07	ORGANIC LABORATORY		12 MONTHS/YEAR	no	225	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD08	ORGANIC SYNTHESIS LABORATORY		12 MONTHS/YEAR	no	227	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD09	LABORATORY		12 MONTHS/YEAR	no	235B	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2SD1	ORGANIC SYNTHESIS LABORATORY		12 MONTHS/YEAR	no	220	COUNTERTOP SINK
43	1	43 [illegible]N-6	01S	2SD10	LABORATORY		12 MONTHS/YEAR	no	235B	COUNTERTOP SINK

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1	43-1-OPN-6	01S	2S011	LABORATORY		12 MONTHS/YEAR	no	213	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S012	REST ROOM		12 MONTHS/YEAR	no	213	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S013	REST ROOM		12 MONTHS/YEAR	no	213	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S014	REST ROOM		12 MONTHS/YEAR	no	210	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S015	REST ROOM		12 MONTHS/YEAR	no	210	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S016	REST ROOM		12 MONTHS/YEAR	no	210	HAND WASHINGS
43	1	43-1-OPN-6	01S	2S017	REST ROOM		12 MONTHS/YEAR	no	235	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S018	LABORATORY		12 MONTHS/YEAR	no	235	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S019	HISTOLOGY LABORATORY		12 MONTHS/YEAR	no	237	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S020	OFFICE		12 MONTHS/YEAR	no	237	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S021	PHYSIOLOGY LABORATORY		12 MONTHS/YEAR	no	232	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S022	PHYSIOLOGY LABORATORY		12 MONTHS/YEAR	no	234	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S023	PHYSIOLOGY LABORATORY		12 MONTHS/YEAR	no	236	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S024	HEMATOLOGY LABORATORY		12 MONTHS/YEAR	no	238	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S025	HEMATOLOGY LABORATORY		12 MONTHS/YEAR	no	238	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S026	BIO-ORGANIC LABORATORY		12 MONTHS/YEAR	no	240	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S027	BIO-ORGANIC LABORATORY		12 MONTHS/YEAR	no	240	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S028	BIO-ORGANIC LABORATORY		12 MONTHS/YEAR	no	242	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S029	TOXICOLOGY LABORATORY		12 MONTHS/YEAR	no	244	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S030	ANIMAL LABORATORY		12 MONTHS/YEAR	no	249	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S031	ANIMAL LABORATORY		12 MONTHS/YEAR	no	247	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S032	ANIMAL LABORATORY		12 MONTHS/YEAR	no	245	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S033	CYTOLOGY LABORATORY		12 MONTHS/YEAR	no	243	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S034	CYTOLOGY LABORATORY		12 MONTHS/YEAR	no	243	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2S035	PATHOLOGY LABORATORY		12 MONTHS/YEAR	no	241	COUNTERTOP SINK
43	1	43-1-OPN-6	01S	2TL1	REST ROOM		12 MONTHS/YEAR	no	213A	TOILET
43	1	43-1-OPN-6	01S	2TL2	REST ROOM		12 MONTHS/YEAR	no	213A	TOILET
43	1	43-1-OPN-6	01S	2TL3	REST ROOM		12 MONTHS/YEAR	no	210A	TOILET
43	1	43-1-OPN-6	01S	2TL4	REST ROOM		12 MONTHS/YEAR	no	210A	TOILET
43	1	43-1-OPN-6	01S	2UR1	REST ROOM		12 MONTHS/YEAR	no	210	URINAL
43	1	43-1-OPN-6	01S	2UR2	REST ROOM		12 MONTHS/YEAR	no	210	URINAL
43	1	43-1-OPN-6	01S	6F01	TEMP. CONTROL LABORATORY		FLOW IS NIL	no	6126A	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	6F02	TEMP. CONTROL LABORATORY		FLOW IS NIL	no	6126B	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	6F03	HALLWAY		FLOW IS NIL	no	6132	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	6F043	ANIMAL CAGE WASH		12 MONTHS/YEAR	no	6213	ANIMAL CAGE WASHINGS
43	1	43-1-OPN-6	01S	6F044	ANIMAL CAGE WASH		12 MONTHS/YEAR	no	6213	ANIMAL CAGE WASHINGS
43	1	43-1-OPN-6	01S	6F045	CAGE WASHING AND INCINERATION		FLOW IS NIL	no	6137	FLOOR WASHINGS
43	1	43-[illegible]N-6	01S	6F046	CAGE WASHING AND INCINERATION		FLOW IS NIL	no	6137	FLOOR WASHINGS

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TA BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1 43-1-OPN-6	01S	BFD47	CAGE WASHING AND INCINERATION	FLOW IS NIL	no	B137	FLOOR WASHINGS
43	1 43-1-OPN-6	01S	BIM1	LAB GLASS WASHROOM	12 MONTHS/YEAR	no	B232	ICE MACHINE DRAIN
43	1 43-1-OPN-6	01S	BSD1	COUNTING ROOM	FLOW IS NIL	no	B114	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD10	JANITOR'S CLOSET	12 MONTHS/YEAR	no	B230	FLOOR WASHINGS
43	1 43-1-OPN-6	01S	BSD11	REST ROOM	12 MONTHS/YEAR	no	B233	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD12	REST ROOM	12 MONTHS/YEAR	no	B235	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD13	OFFICE	12 MONTHS/YEAR	no	B237	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD14	OFFICE	12 MONTHS/YEAR	no	B212	COUTNERTOP SINK
43	1 43-1-OPN-6	01S	BSD15	OFFICE	12 MONTHS/YEAR	no	B214	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD16	OFFICE	12 MONTHS/YEAR	no	B216	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD17	OFFICE	12 MONTHS/YEAR	no	B218	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD18	OFFICE	12 MONTHS/YEAR	no	B220	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD19	OFFICE	12 MONTHS/YEAR	no	B222	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD2	COUNTER REPAIR ROOM	FLOW IS NIL	no	B116	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD20	OFFICE	12 MONTHS/YEAR	no	B224	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD21	OFFICE	12 MONTHS/YEAR	no	B247	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD22	OFFICE	12 MONTHS/YEAR	no	B244A	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD23	OFFICE	12 MONTHS/YEAR	no	B242A	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD24	FLOW LABORATORY	12 MONTHS/YEAR	no	B240	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD25	FOOD PREPARATION ROOM	12 MONTHS/YEAR	no	B127	COUTNERTOP SINK
43	1 43-1-OPN-6	01S	BSD26	ISOLATION ROOM	12 MONTHS/YEAR	no	B131	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD27	ANIMAL ROOM	12 MONTHS/YEAR	no	B133	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD28	CAGE STORAGE	12 MONTHS/YEAR	no	B135	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD29	CAGE WASHING, INCINERATION	12 MONTHS/YEAR	no	B137	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD3	COUNTER REPAIR ROOM	FLOW IS NIL	no	B116	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD30	CAGE WASHING, INCINERATION	12 MONTHS/YEAR	no	B137	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD37	SURGERY	FLOW IS NIL	no	B136	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD38	ANIMAL ROOM	FLOW IS NIL	no	B130	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD39	ANIMAL ROOM	FLOW IS NIL	no	B130	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD4	WOOD SHOP	FLOW IS NIL	no	B117	HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD40	ANIMAL ROOM	FLOW IS NIL	no	B128	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD41	TEMP. CONTROL LABORATORY	FLOW IS NIL	no	B126A	ANIMAL, HAND WASHINGS
43	1 43-1-OPN-6	01S	BSD42	DARK ROOM	12 MONTHS/YEAR	no	B126C	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD5	PHYSICAL CHEMISTRY LABORATORY	12 MONTHS/YEAR	no	B122	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD6	PHYSICAL CHEMISTRY LABORATORY	12 MONTHS/YEAR	no	B124	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD7	PHYISCAL CHEMISTRY LABORATORY	12 MONTHS/YEAR	no	B124	COUNTERTOP SINK
43	1 43-1-OPN-6	01S	BSD8	PHYSICAL CHEMISTRY LABORATORY	12 MONTHS/YEAR	no	B126	COUNTERTOP SINK
43	1 4[illegible] [illegible]PN-6	01S	BSD9	LAB GLASS WASHING	12 MONTHS/YEAR	no	B232	COUNTERTOP SINK

REPORT 21

TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	1	43-1-OPN-6	01S	BSH1	REST ROOM	12 MONTHS/YEAR	no	B193	SHOWER DRAIN
43	1	43-1-OPN-6	01S	BTL1	REST ROOM	12 MONTHS/YEAR	no	B233	TOILET
43	1	43-1-OPN-6	01S	BTL2	REST ROOM	12 MONTHS/YEAR	no	B235	TOILET
43	1	43-1-OPN-6	01S	BTL3	REST ROOM	12 MONTHS/YEAR	no	B235	TOILET
43	1	43-1-OPN-6	01S	BUR1	REST ROOM	12 MONTHS/YEAR	no	B233	URINAL
43	1	43-1-OPN-6	01S	BWF1	HALLWAY	12 MONTHS/YEAR	no	B100A	DRINKING FOUNTAIN
43	1	43-1-OPN-6	01S	BWF2	HALLWAY	12 MONTHS/YEAR	no	B200A	DRINKING FOUNTAIN
43	1	43-1-OPN-6	01S	BWF3	HALLWAY	12 MONTHS/YEAR	no	B200	WATER FOUNTAIN
43	1	43-1-OPN-6	01S	PFD1	PENTHOUSE	FLOW IS NIL	no	PH	FLOOR/WASHINGS
43	1	43-1-OPN-6	01S	PFD2	PENTHOUSE	FLOW IS NIL	no	PH	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	PFD3	PENTHOUSE	FLOW IS NIL	no	PH	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBFD02	EQUIPMENT	12 MONTHS/YEAR	no	SB10	FLOOR WASHINGS, EQUIP DRAINAGE
43	1	43-1-OPN-6	01S	SBFD1	MACHINE	FLOW IS NIL	no	SB17	FLOOR WASHINGS
43	1	43-1-OPN-6	N/A	SBFD10	STAIRWELL	12 MONTHS/YEAR	no	EXTERIOR	STORM WATER
43	1	43-1-OPN-6	01S	SBFD12	EQUIPMENT	FLOW IS NIL	no	SB10	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBFD13	EQUIPMENT	FLOW IS NIL	no	SB10	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBFD14	EQUIPMENT	FLOW IS NIL	no	SB10	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBFD15	EQUIPMENT	FLOW IS NIL	no	SB10	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBFD16	EQUIPMENT	FLOW IS NIL	no	SB10	FLOOR WASHINGS
43	1	43-1-OPN-6	01S	SBSD1	REST ROOM	12 MONTHS/YEAR	no	SB10A	HAND WASHINGS
43	1	43-1-OPN-6	01S	SBSH1	SHOWER	12 MONTHS/YEAR	no	SB16B	SHOWER
43	1	43-1-OPN-6	01S	SBTL1	REST ROOM	12 MONTHS/YEAR	no	SB10A	TOILET
43	1	43-1-OPN-6	01S	SBWF1	HALLWAY	12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	1	43-1-OPN-7	01S	N/A	SANITARY SEWER/LIFT STATION	12 MONTHS/YEAR	no		SANITARY WASTE
43	1	43-1-OPN-8	03A040	N/A	COOLING TOWER BLOWDOWN	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD03	AIR INLET PASSAGEWAY	NO FLOW	no	EXTERIOR	PLUGGED
43	1	43-1-OPN-8	03A040	SBFD04	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD05	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD06	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD07	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD08	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD09	BOILER ROOM	MOSTLY SUMMER	no	ER	COOLING WATER
43	1	43-1-OPN-8	03A040	SBFD11	AIR INLET PASSAGEWAY	NO FLOW	no	EXTERIOR	PLUGGED
43	1	43-1-OPN-9	03A040	RD14	ROOF	NO FLOW	no		PLUGGED
43	1	43-1-OPN-9	03A040	RD15	ROOF	NO FLOW	no		PLUGGED
43	1	43-1-OPN-9	03A040	RD16	ROOF	NO FLOW	no		PLUGGED
43	1	43-1-OPN-9	03A040	RD17	ROOF	NO FLOW	no		PLUGGED
43	20	4[illegible] [illegible]N-1	01S	1DW1	BIO PREPARATION	12 MONTHS/YEAR	no	B104	DISH WASHER DRAIN

REPORT 21

TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	20	43-20-OFN-1	01S	1SD1	BREAK AREA		12 MONTHS/YEAR	no	A100	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SD2	REST ROOM		12 MONTHS/YEAR	no	A103	HAND WASHINGS
43	20	43-20-OFN-1	01S	1SD3	REST ROOM		12 MONTHS/YEAR	no	A109	HAND WASHINGS
43	20	43-20-OFN-1	01S	1SD4	STATIC LABORATORY		12 MONTHS/YEAR	no	B101	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SD5	FLOW LABORATORY		12 MONTHS/YEAR	no	B102	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SD6	BIO PREPARATION		12 MONTHS/YEAR	no	B104	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SD7	BIO PREPARATION		12 MONTHS/YEAR	no	B104	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SD8	BIO PREPARATION		12 MONTHS/YEAR	no	B103A	COUNTERTOP SINK
43	20	43-20-OFN-1	01S	1SH1	REST ROOM		12 MONTHS/YEAR	no	A103	SHOWER DRAIN
43	20	43-20-OFN-1	01S	1SH2	REST ROOM		12 MONTHS/YEAR	no	A109	SHOWER DRAIN
43	20	43-20-OFN-1	01S	1TL1	REST ROOM		12 MONTHS/YEAR	no	A103	TOILET
43	20	43-20-OFN-1	01S	1TL2	REST ROOM		12 MONTHS/YEAR	no	A109	TOILET
43	20	43-20-OFN-1	01S	1WF1	HALLWAY		12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	24	43-24-OFN-1	01S	N/A	SANITARY	3 GPD	FLOW IS NIL	no		COUNTERTOP SINK
43	39	43-39-OFN-1	N/A	RD1	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-1	N/A	RD2	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-1	N/A	RD3	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-1	N/A	RD4	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-1	N/A	RD5	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-2	N/A	RD6	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-2	N/A	RD7	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-2	N/A	RD8	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-2	N/A	RD9	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-3	N/A	RD10	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-3	N/A	RD11	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-3	N/A	RD12	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-3	N/A	RD13	ROOF		12 MONTHS/YEAR	no		STORM DRAIN
43	39	43-39-OFN-4	N/A	N/A	FIRE WATER	100 GPY	ONCE A YEAR DURING TEST	no		FIRE WATER
43	39	43-39-OFN-5	N/A	1SD10	OFFICE		FLOW IS NIL	no	139	HAND WASHINGS
43	39	43-39-OFN-5	N/A	BSD1	REST ROOM		12 MONTHS/YEAR	no	23	HAND WASHINGS
43	39	43-39-OFN-5	N/A	BSD2	REST ROOM		12 MONTHS/YEAR	no	22	HAND WASHINGS
43	39	43-39-OFN-5	N/A	BTL1	REST ROOM		12 MONTHS/YEAR	no	23	TOILET
43	39	43-39-OFN-5	N/A	BTL2	REST ROOM		12 MONTHS/YEAR	no	22	TOILET
43	39	43-39-OFN-5	N/A	BWF1	REST ROOM		12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	39	43-39-OFN-6	N/A	TFD1	REST ROOM		FLOW IS NIL	no	100W	FLOOR WASHINGS
43	39	43-39-OFN-6	N/A	TFD2	REST ROOM		FLOW IS NIL	no	100W	FLOOR WASHINGS
43	39	43-39-OFN-6	N/A	TFS1	JANITOR'S CLOSET		12 MONTHS/YEAR	no	100LA	FLOOR WASHINGS
43	39	4[illegible]-OFN-6	N/A	1SD1	OFFICE		FLOW IS NIL	no	123	HAND WASHINGS

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	39	43-39-OPN-6	N/A	1SD2	REST ROOM	12 MONTHS/YEAR	no	100W	HAND WASHINGS
43	39	43-39-OPN-6	N/A	1SD3	REST ROOM	12 MONTHS/YEAR	no	100W	HAND WASHINGS
43	39	43-39-OPN-6	N/A	1SD4	REST ROOM	12 MONTHS/YEAR	no	100W	HAND WASHINGS
43	39	43-39-OPN-6	N/A	1SD5	REST ROOM	12 MONTHS/YEAR	no	100W	HAND WASHINGS
43	39	43-39-OPN-6	N/A	1SH1	REST ROOM	12 MONTHS/YEAR	no	100W	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	1SH2	REST ROOM	12 MONTHS/YEAR	no	100W	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	1SH3	REST ROOM	12 MONTHS/YEAR	no	100W	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	1TL1	REST ROOM	12 MONTHS/YEAR	no	100W	TOILET
43	39	43-39-OPN-6	N/A	1TL2	REST ROOM	12 MONTHS/YEAR	no	100W	TOILET
43	39	43-39-OPN-6	N/A	1TL3	REST ROOM	12 MONTHS/YEAR	no	100W	TOILET
43	39	43-39-OPN-6	N/A	1UR1	REST ROOM	12 MONTHS/YEAR	no	100W	URINAL
43	39	43-39-OPN-6	N/A	1UR2	REST ROOM	12 MONTHS/YEAR	no	100W	URINAL
43	39	43-39-OPN-6	N/A	1UR3	REST ROOM	12 MONTHS/YEAR	no	100W	URINAL
43	39	43-39-OPN-6	N/A	1WF1	HALLWAY	12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	39	43-39-OPN-6	N/A	2FD1	REST ROOM	FLOW IS NIL	no	200M	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	2FD2	REST ROOM	FLOW IS NIL	no	200M	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	2FS1	JANITOR'S CLOSET	12 MONTHS/YEAR	no	200JW	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	2SD1	OFFICE	FLOW IS NIL	no	225	HAND WASHINGS
43	39	43-39-OPN-6	N/A	2SD2	REST ROOM	12 MONTHS/YEAR	no	200M	HAND WASHINGS
43	39	43-39-OPN-6	N/A	2SD3	REST ROOM	12 MONTHS/YEAR	no	200M	HAND WASHINGS
43	39	43-39-OPN-6	N/A	2SD4	REST ROOM	12 MONTHS/YEAR	no	200M	HAND WASHINGS
43	39	43-39-OPN-6	N/A	2SH1	REST ROOM	12 MONTHS/YEAR	no	200M	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	2SH2	REST ROOM	12 MONTHS/YEAR	no	200M	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	2SH3	REST ROOM	12 MONTHS/YEAR	no	200M	SHOWER DRAIN
43	39	43-39-OPN-6	N/A	2TL1	REST ROOM	12 MONTHS/YEAR	no	200M	TOILET
43	39	43-39-OPN-6	N/A	2TL2	SANITARY SEWER	5 DAYS PER WEEK	no	200M	TOILET
43	39	43-39-OPN-6	N/A	2TL3	SANITARY SEWER	5 DAYS PER WEEK	no	200M	TOILET
43	39	43-39-OPN-6	N/A	2UR1	REST ROOM	12 MONTHS/YEAR	no	200M	URINAL
43	39	43-39-OPN-6	N/A	2UR2	REST ROOM	12 MONTHS/YEAR	no	200M	URINAL
43	39	43-39-OPN-6	N/A	2UR3	REST ROOM	12 MONTHS/YEAR	no	200M	URINAL
43	39	43-39-OPN-6	N/A	2WF1	HALLWAY	12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	39	43-39-OPN-6	N/A	3FD1	REST ROOM	FLOW IS NIL	no	300M	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	3FD2	REST ROOM	FLOW IS NIL	no	300M	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	3FS1	JANITOR'S CLOSET	12 MONTHS/YEAR	no	300JW	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	3SD1	REST ROOM	12 MONTHS/YEAR	no	300M	FLOOR WASHINGS
43	39	43-39-OPN-6	N/A	3SD2	REST ROOM	12 MONTHS/YEAR	no	300M	HAND WASHINGS
43	39	43-39-OPN-6	N/A	3SD3	REST ROOM	12 MONTHS/YEAR	no	300M	HAND WASHINGS
43	39	4[illegible]-OPN-6	N/A	3SH1	REST ROOM	12 MONTHS/YEAR	no	300M	SHOWER DRAIN

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	39	43-39-OFN-6	N/A	3SH2	REST ROOM		12 MONTHS/YEAR	no	300M	SHOWER DRAIN
43	39	43-39-OFN-6	N/A	3SH3	REST ROOM		12 MONTHS/YEAR	no	300M	SHOWER DRAIN
43	39	43-39-OFN-6	N/A	3TL1	REST ROOM		12 MONTHS/YEAR	no	300M	TOILET
43	39	43-39-OFN-6	N/A	3TL2	SANITARY SEWER			no	300M	
43	39	43-39-OFN-6	N/A	3TL3	REST ROOM		12 MONTHS/YEAR	no	300M	TOILET
43	39	43-39-OFN-6	N/A	3UR1	REST ROOM		12 MONTHS/YEAR	no	300M	URINAL
43	39	43-39-OFN-6	N/A	3UR2	REST ROOM		12 MONTHS/YEAR	no	300M	URINAL
43	39	43-39-OFN-6	N/A	3UR3	REST ROOM		12 MONTHS/YEAR	no	300M	URINAL
43	39	43-39-OFN-6	N/A	3WF1	HALLWAY		12 MONTHS/YEAR	no		DRINKING FOUNTAIN
43	39	43-39-OFN-7	N/A	1SD8	REST ROOM		5 DAYS PER WEEK	no	128D	HAND WASHINGS
43	39	43-39-OFN-7	N/A	1SD9	REST ROOM		5 DAYS PER WEEK	no	128S	HAND WASHINGS
43	39	43-39-OFN-7	N/A	1TL7	REST ROOM		5 DAYS PER WEEK	no	128D	TOILET
43	39	43-39-OFN-7	N/A	1TL8	REST ROOM		5 DAYS PER WEEK	no	128S	TOILET
43	39	43-39-OFN-7	N/A	1WF4	HALLWAY		5 DAYS PER WEEK	no		DRINKING FOUNTAIN
43	39	43-39-OFN-8	N/A	1FD3	REST ROOM		5 DAYS PER WEEK	no	100M	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	1FD4	REST ROOM		5 DAYS PER WEEK	no	100M	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	1FS2	JANITOR'S CLOSET		5 DAYS PER WEEK	no	100LB	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	1SD5	REST ROOM		5 DAYS PER WEEK	no	100M	HAND WASHINGS
43	39	43-39-OFN-8	N/A	1SD6	REST ROOM		5 DAYS PER WEEK	no	100M	HAND WASHINGS
43	39	43-39-OFN-8	N/A	1SD7	REST ROOM		5 DAYS PER WEEK	no	100M	HAND WASHINGS
43	39	43-39-OFN-8	N/A	1SD8	REST ROOM		5 DAYS PER WEEK	no	102	HAND WASHINGS
43	39	43-39-OFN-8	N/A	1SH4	REST ROOM		5 DAYS PER WEEK	no	100M	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	1SH5	REST ROOM		5 DAYS PER WEEK	no	100M	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	1SH6	REST ROOM		5 DAYS PER WEEK	no	100M	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	1TL4	REST ROOM		5 DAYS PER WEEK	no	100M	TOILET
43	39	43-39-OFN-8	N/A	1TL5	REST ROM		5 DAYS PER WEEK	no	100M	TOILET
43	39	43-39-OFN-8	N/A	1TL6	TOILET		5 DAYS PER WEEK	no	100M	TOILET
43	39	43-39-OFN-8	N/A	1UR3	TOILET		5 DAYS PER WEEK	no	100M	URINAL
43	39	43-39-OFN-8	N/A	1UR4	REST ROOM		5 DAYS PER WEEK	no	100M	URINAL
43	39	43-39-OFN-8	N/A	1UR5	REST ROOM		5 DAYS PER WEEK	no	100M	URINAL
43	39	43-39-OFN-8	N/A	1WF2	SANITARY SEWER			no		
43	39	43-39-OFN-8	N/A	1WF3	HALLWAY		5 DAYS PER WEEK	no		DRINKING FOUNTAIN
43	39	43-39-OFN-8	N/A	2FD3	REST ROOM		5 DAYS PER WEEK	no	200W	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	2FD4	REST ROOM		5 DAYS PER WEEK	no	200W	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	2FS2	JANITOR'S CLOSET		5 DAYS PER WEEK	no	200JE	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	2SD6	REST ROOM		5 DAYS PER WEEK	no	200W	HAND WASHINGS
43	39	43-39-OFN-8	N/A	2SD7	REST ROOM		5 DAYS PER WEEK	no	200W	HAND WASHINGS
43	39	4[illegible]-OFN-8	N/A	2SD8	REST ROOM		5 DAYS PER WEEK	no	200W	HAND WASHINGS

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TA	BLDG	OUTLET PIPING NUMBER	EPA OUTFALL #	DRAIN #	ROOM DESCRIPTION	FLOW RATE	PERIODICITY	SEASONAL	ROOM #	SOURCE TYPES
43	39	43-39-OFN-8	N/A	2SH4	REST ROOM		5 DAYS PER WEEK	no	200W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	2SH5	REST ROOM		5 DAYS PER WEEK	no	200W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	2SH6	REST ROOM		5 DAYS PER WEEK	no	200W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	2TL4	REST ROOM		5 DAYS PER WEEK	no	200W	TOILET
43	39	43-39-OFN-8	N/A	2TL5	REST ROOM		5 DAYS PER WEEK	no	200W	TOILET
43	39	43-39-OFN-8	N/A	2TL6	REST ROOM		5 DAYS PER WEEK	no	200W	TOILET
43	39	43-39-OFN-8	N/A	2UR3	REST ROOM		5 DAYS PER WEEK	no	200W	URINAL
43	39	43-39-OFN-8	N/A	2UR4	REST ROOM		5 DAYS PER WEEK	no	200W	URINAL
43	39	43-39-OFN-8	N/A	2UR5	REST ROOM		5 DAYS PER WEEK	no	200W	URINAL
43	39	43-39-OFN-8	N/A	2WF2	HALLWAY		5 DAYS PER WEEK	no		DRINKING FOUNTAIN
43	39	43-39-OFN-8	N/A	3FD3	REST ROOM		5 DAYS PER WEEK	no	300W	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	3FD4	REST ROOM		5 DAYS PER WEEK	no	300W	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	3FS2	JANITOR'S CLOSET		5 DAYS PER WEEK	no	300JE	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	3SD4	JANITOR'S CLOSET		5 DAYS PER WEEK	no	300W	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	3SD5	REST ROOM		5 DAYS PER WEEK	no	300W	HAND WASHINGS
43	39	43-39-OFN-8	N/A	3SD6	REST ROOM		5 DAYS PER WEEK	no	300W	HAND WASHINGS
43	39	43-39-OFN-8	N/A	3SH4	REST ROOM		5 DAYS PER WEEK	no	300W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	3SH5	REST ROOM		5 DAYS PER WEEK	no	300W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	3SH6	REST ROOM		5 DAYS PER WEEK	no	300W	SHOWER DRAIN
43	39	43-39-OFN-8	N/A	3TL4	REST ROOM		5 DAYS PER WEEK	no	300W	TOILET
43	39	43-39-OFN-8	N/A	3TL5	REST ROOM		5 DAYS PER WEEK	no	300W	TOILET
43	39	43-39-OFN-8	N/A	3TL6	REST ROOM		5 DAYS PER WEEK	no	300W	TOILET
43	39	43-39-OFN-8	N/A	3UR4	REST ROOM		5 DAYS PER WEEK	no	300W	URINAL
43	39	43-39-OFN-8	N/A	3UR5	REST ROOM		5 DAYS PER WEEK	no	300W	URINAL
43	39	43-39-OFN-8	N/A	3UR6	REST ROOM		5 DAYS PER WEEK	no	300W	URINAL
43	39	43-39-OFN-8	N/A	3WF2	HALLWAY		5 DAYS PER WEEK	no		DRINKING FOUNTAIN
43	39	43-39-OFN-8	N/A	BFD1	EQUIPMENT ROOM		FLOW IS NIL	no	12	FLOOR WASHINGS
43	39	43-39-OFN-8	N/A	BFD2	EQUIPMENT ROOM		FLOW IS NIL	no	11	FLOOR WASHINGS
43	44	43-44-OFN-1	03A180	N/A	COOLING WATER	1600 GPD	MOSTLY SUMMER	yes		COOLING WATER
43	44	43-44-OFN-2	03A180	N/A	COOLING WATER	1600 GPD	MOSTLY SUMMER	no		COOLING WATER

se print or type in the unshaded areas only.

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

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OMB No. 2040-0086
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FORM 2F

EPA

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

OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 10 seconds and the name of the receiving water.

OUTFALL NUMBER (list)	A. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (name)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
03A040	35	52	51	106	19	14	Los Alamos Canyon

FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

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.

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.

OUTFALL NO. (list)	A. OPERATION(S) CONTRIBUTING FLOW		B. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
40	TA-43-1 Evaporative Condenser	10 GPM	Disinfection	2F	
	Blowdown				

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

CONTINUED FROM THE FRONT

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)

U... IM... (list)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	4. FLOW a. FLOW RATE (in mgd) 1. LONG TERM AVERAGE	2. MAXIMUM DAILY	b. TOTAL VOLUME (specify with units) 1. LONG TERM AVERAGE	2. MAXIMUM DAILY	c. DURATION (in days)
040	Evaporative Cooler Blowdown	7	6	0.017	0.034	6800 gpd	33000 gpd	24 h/day

PRODUCTION

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

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

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)

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

IMPROVEMENTS

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 program 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 a. NO.	b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	b. PROJECTED

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

 CONTINUE ON PAGE 3

NTINUED FROM PAGE 2

EPA I.D. NUMBER (copy from Item I of Form 1)
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INTAKE AND EFFLUENT CHARACTERISTICS

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.

. 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			

OTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

ny 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 roduct?

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

INUED FROM THE FRONT

BIOLOGICAL TOXICITY TESTING DATA

yr ' 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
sl r 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)

CONTRACT ANALYSIS INFORMATION

' 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)

CERTIFICATION

tify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to re that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or e persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. 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.)
' L. BELOWS, DOE AREA MANAGER	505-667-5105
N J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS	505-667-9390
SIGNATURE	D. DATE SIGNED

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

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. 03A040

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) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) a. CONCENTRATION	b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	2.0	51.5						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	42.0	1.1						mg/l	kg/d			
c. Total Organic Carbon (TOC)	7.4	190.5						mg/l	g/d			
d. Total Suspended Solids (TSS)	10.0	257.4						mg/l	g/d			
e. Ammonia (as N)	< .01	< 0.257						mg/l	g/d			
f. Flow	VALUE 6800		VALUE		VALUE			gal/day		VALUE		
g. Temperature (winter)	VALUE 36.9		VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 6.8	MAXIMUM 8.8	MINIMUM 6.0	MAXIMUM 9.0				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	b. 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 AVG. 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
a. Bromide (24959-67-9)	X		3.24	83.4						mg/l	g/d			
b. Chlorine, Total Residual		X	0.0	0.0						mg/l	mg/d			
c. Color	X		10							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		2.97	76.4						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		1.13	29.1						mg/l	g/d			

CONTINUE ON REVERSE

ANT AND CAS NO. (if available)	a.	b.	a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	e. CONCENTRATION	f. MASS	g. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	h. NO. OF ANALYSES
. Nitrogen, Total Organic as N)	X		2.3	59.2						mg/l	g/d			
. Oil and Grease		X	< 1.2	< 30.9						mg/l	g/d			
. Phosphorus as P), Total 7723-14-0)	X		0.67	17.2						mg/l	g/d			
. Radioactivity														
(1) Alpha, Total	X		14	360.3						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	169.9						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.07	1.8						pCi/l	nCi/d			
. Sulfate as SO_4) (14808-79-8)	X		143	3.7						mg/l	kg/d			
. Sulfide as S)	X		0.16	4.1						mg/l	g/d			
m. Sulfite as SO_3) (14265-45-3)	X		18.8	483.9						mg/l	g/d			
n. Surfactants	X		0.11	2.8						mg/l	g/d			
. Aluminum, Total (7429-90-5)	X		0.06	1.5						mg/l	g/d			
. Barium, Total (7440-39-3)	X		0.11	2.8						mg/l	g/d			
. Boron, Total (7440-42-8)	X		0.33	8.5						mg/l	g/d			
. Cobalt, Total (7440-48-4)		X	< 0.1	< 2.6						mg/l	g/d			
. Iron, Total (7439-89-6)	X		1.1	28.3						mg/l	g/d			
. Magnesium, Total (7439-95-4)	X		5.8	149.3						mg/l	g/d			
. Molybdenum, Total (7439-98-7)	X		1.7	43.8						mg/l	g/d			
v. Manganese, Total (7439-96-5)	X		0.05	1.3						mg/l	g/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 1.3						mg/l	g/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 0.1						mg/l	g/d			

CONTINUE ON PAGE V-3

NPDES NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
NM0890010515	03A040

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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" a. Believed Present	b. Believed Absent	c. Chemical Analysis 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
METALS, CYANIDE, AND TOTAL PHENOLS															
M. Antimony, Total (7440-35-0)			X	< 0.050	< 1.3						mg/l	g/d			
M. Arsenic, Total (7440-38-2)		X		0.04	1.0						mg/l	g/d			
M. Beryllium, Total (7440-41-7)			X	< 0.1	< 2.6						mg/l	g/d			
M. Cadmium, Total (7440-43-9)		X		.004	0.1						mg/l	g/d			
M. Chromium, Total (7440-47-3)		X		.260	6.7						mg/l	g/d			
M. Copper, Total (7440-50-8)		X		0.1	2.6						mg/l	g/d			
M. Lead, Total (7439-92-1)		X		.050	1.3						mg/l	g/d			
M. Mercury, Total (7439-97-6)			X	< .0002	< 5.1						mg/l	mg/d			
M. Nickel, Total (7440-02-0)		X		.28	7.2						mg/l	g/d			
M. Selenium, Total (7782-49-2)			X	< .001	< 25.7						mg/l	mg/d			
M. Silver, Total (7440-22-4)			X	< 0.01	< 0.3						mg/l	g/d			
M. Thallium, Total (7440-28-0)		X		0.51	13.1						mg/l	g/d			
M. Zinc, Total (7440-66-6)		X		.071	1.8						mg/l	g/d			
M. Cyanide, Total (57-12-5)		X		.013	0.3						mg/l	g/d			
M. Phenols, Total		X		.017	0.4						mg/l	g/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

(if available)	PRES-ENT	ABS-ENT	(-) CONCENTRATION	(+) MASS	(-) CONCENTRATION	(+) MASS	CONCENTRATION	(+) MASS	ANAL-YSES	CONCENTRATION	b. MASS	PESTICIDES (-) CONCEN-TRATION	PESTICIDES (+) MASS	ANAL-YSES
GC/MS FRACTION – VOLATILE COMPOUNDS														
V. Acrolein (107-02-8)			X											
V. Acrylonitrile (107-13-1)			X											
V. Benzene (71-43-2)			X	< 0.005	< 0.1					mg/l	g/d			
V. Bis (Chloromethyl) Ether (542-88-1)			X											
V. Bromoform (75-25-2)		X		0.006	0.2					mg/l	g/d			
V. Carbon tetrachloride (56-23-5)			X	< 0.005	< 0.1					mg/l	g/d			
V. Chlorobenzene (108-90-7)			X	< 0.005	< 0.1					mg/l	g/d			
V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 0.1					mg/l	g/d			
V. Chloroethane (75-00-3)			X	< 0.010	< 0.3					mg/l	g/d			
V. 2-Chloroethylvinyl Ether (110-75-8)			X											
V. Chloroform (67-66-3)			X	< 0.005	< 0.1					mg/l	g/d			
V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 0.1					mg/l	g/d			
V. Dichlorodifluoromethane (75-71-8)			X											
V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 0.1					mg/l	g/d			
V. 1,2-Dichloroethane (107-06-2)			X	< 0.005	< 0.1					mg/l	g/d			
V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 0.1					mg/l	g/d			
V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 0.1					mg/l	kg/d			
V. 1,3-Dichloropropylene (542-75-6)			X	< 0.005	< 0.1					mg/l	g/d			
V. Ethylbenzene (100-41-4)			X	< 0.005	< 0.1					mg/l	g/d			
V. Methyl bromide (74-83-9)			X	< 0.010	< 0.3					mg/l	g/d			
V. Methyl chloride (74-87-3)			X	< 0.010	< 0.3					mg/l	g/d			

CONTINUE ON PAGE V-5

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. Test and believe present	b. Believe present	c. Believe 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 AVG. VALUE (if available) (1) concentration	(2) mass	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) concentration	(2) mass	b. NO. OF ANALYSES
GC/MS FRACTION – VOLATILE COMPOUNDS (continued)															
22V. Methylene Chloride (75-09-2)			X	< 0.005	< 0.1						mg/l	g/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 0.1						mg/l	g/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 0.1						mg/l	g/d			
25V. Toluene (108-88-3)			X	< 0.005	< 0.1						mg/l	g/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 0.1						mg/l	g/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 0.1						mg/l	g/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 0.1						mg/l	g/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 0.1						mg/l	g/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 0.1						mg/l	g/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 0.3						mg/l	g/d			
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 0.3						mg/l	g/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 0.3						mg/l	g/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 0.3						mg/l	g/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 0.3						mg/l	g/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 0.3						mg/l	g/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 0.3						mg/l	g/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 0.3						mg/l	g/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 0.3						mg/l	g/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 0.3						mg/l	g/d			
10A. Phenol (108-95-2)			X	< 0.010	< 0.3						mg/l	g/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 0.3						mg/l	g/d			

1. POLLUTANT AND CAS NUMBER (if available)	a. Bel-ieved Ab-sent	b. Bel-ieved Pres-ent	c. Bel-ieved Pres-ent	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE a. LONG TERM AVG. VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
18. Acenaphthene (83-32-9)			X	< 0.010	< 0.3						mg/l	g/d			
28. Acenaphthylene (208-96-8)			X	< 0.010	< 0.3						mg/l	g/d			
38. Anthracene (120-12-7)			X	< 0.010	< 0.3						mg/l	g/d			
48. Benzidine (92-87-5)			X	< 0.010	< 0.3						mg/l	g/d			
58. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 0.3						mg/l	g/d			
68. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 0.3						mg/l	g/d			
78. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 0.3						mg/l	g/d			
88. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 0.3						mg/l	g/d			
98. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 0.3						mg/l	g/d			
108. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	< 0.010	< 0.3						mg/l	g/d			
118. Bis (2-Chloro-ethyl) Ether (111-44-4)			X	< 0.010	< 0.3						mg/l	g/d			
128. Bis (2-Chloro-propyl) Ether (108-60-1)			X	< 0.010	< 0.3						mg/l	g/d			
138. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	< 0.010	< 0.3						mg/l	g/d			
148. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 0.3						mg/l	g/d			
158. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 0.3						mg/l	g/d			
168. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 0.3						mg/l	g/d			
178. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 0.3						mg/l	g/d			
188. Chrysene (218-01-9)			X	< 0.010	< 0.3						mg/l	g/d			
198. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 0.3						mg/l	g/d			
208. 1,2-Dichloro-benzene (95-50-1)			X	< 0.010	< 0.3						mg/l	g/d			
218. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 0.3						mg/l	g/d			

CONTINUE ON PAGE V-7

03A040

Approval expires 7-31-88

1. POLLUTANT AND CAS NUMBER (if available)	MARK "X" a. Believed Absent	b. Believed Present	c. Analytical Results	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration	(2) Mass	b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration	(2) Mass	c. LONG TERM AVERG. VALUE (if available) (1) Concentration	(2) Mass	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) Concentration	(2) Mass	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4 Dichlorobenzene (106-46-7)			X	< 0.010	< 0.3						mg/l	g/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 0.3						mg/l	g/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 0.3						mg/l	g/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 0.0						mg/l	g/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 0.3						mg/l	g/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 0.3						mg/l	g/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 0.3						mg/l	g/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 0.3						mg/l	g/d			
30B. 1,2 Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 0.3						mg/l	g/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 0.3						mg/l	g/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 0.3						mg/l	g/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 0.3						mg/l	g/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 0.3						mg/l	g/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 0.3						mg/l	g/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 0.3						mg/l	g/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 0.3						mg/l	g/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 0.3						mg/l	g/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 0.3						mg/l	g/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 0.3						mg/l	g/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 0.3						mg/l	g/d			
42B. N-Nitrosodi-n-Propylamine (621-64-7)			X	< 0.010	< 0.3						mg/l	g/d			

CONTINUE ON REVERSE

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. PRESENT IN EFFLUENT	b. PRESENT IN RECEIVING WATER	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 VAL (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*															
43B. N-Nitrosodiphenylamine (86-30-6)			X	< 0.010	< 0.3						mg/l	g/d			
44B. Phenanthrene (85-01-8)			X	< 0.010	< 0.3						mg/l	g/d			
45B. Pyrene (129-00-0)			X	< 0.010	< 0.3						mg/l	g/d			
46B. 1,2,4-Trichlorobenzene (120-82-1)			X	< 0.010	< 0.3						mg/l	g/d			
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)			X	< 0.06	< 1.5						ug/l	mg/d			
2P. α-BHC (319-84-6)			X	< 0.02	< 0.5						ug/l	mg/d			
3P. β-BHC (319-85-7)			X	< 0.1	< 2.6						ug/l	mg/d			
4P. γ-BHC (58-89-9)			X	< 0.03	< 0.8						ug/l	mg/d			
5P. δ-BHC (319-86-8)			X	< 0.12	< 3.1						ug/l	mg/d			
6P. Chlordane (57-74-9)			X	< 0.25	< 6.4						ug/l	mg/d			
7P. 4,4'-DDT (50-29-3)			X	< 0.05	< 1.5						ug/l	mg/d			
8P. 4,4'-DDE (72-55-9)			X	< 0.08	< 2.1						ug/l	mg/d			
9P. 4,4'-DDD (72-54-8)			X	< 0.08	< 2.1						ug/l	mg/d			
10P. Dieldrin (60-57-1)			X	< 0.08	< 2.1						ug/l	mg/d			
11P. α-Endosulfan (115-29-7)			X	< 0.05	< 1.3						ug/l	mg/d			
12P. β-Endosulfan (115-29-7)			X	< 0.08	< 2.1						ug/l	mg/d			
13P. Endosulfan Sulfate (1031-07-8)			X	< 0.09	< 2.3						ug/l	mg/d			
14P. Endrin (72-20-8)			X	< 0.06	< 1.5						ug/l	mg/d			
15P. Endrin Aldehyde (7421-93-4)			X	< 0.62	< 16.0						ug/l	mg/d			
16P. Heptachlor (76-44-8)			X	< 0.03	< 0.8						ug/l	mg/d			

CONTINUE ON PAGE V-9

1. POLLUT. AND CAS NUMBER (if available)	2. MARK "X" a. Presently in Operation	b. Believed Present	c. Believed Absent	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) Concentration	(2) Mass	b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration	(2) Mass	c. LONG TERM AVRG. VALUE (if available) (1) Concentration	(2) Mass	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) Concentration	(2) Mass	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.08	< 2.1						ug/l	mg/d			
18P. PCB-1242 (53469-21-9)			X	< 0.71	< 18.3						ug/l	mg/d			
19P. PCB-1254 (11097-69-1)			X	< 0.71	< 18.3						ug/l	mg/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	< 0.71	< 18.3						ug/l	mg/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 64.3						ug/l	mg/d			

ense 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

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 10 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.	
03A180	35	52	50	106	19	14	Los Alamos 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.

OUTFALL NO. (list)	1. OPERATION(S) CONTRIBUTING FLOW		2. TREATMENT		
	a. OPERATION (list)	b. AVERAGE FLOW (include units)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
180	Cooling Tower Blowdown	1600 gpd	Chlorination, Bromine, Scale and		
	TA-43-44	(estimated)	Corrosion Inhibitors		

FICIAL USE ONLY (effluent guidelines sub-categories)

NUED FROM THE FRONT

ept 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)

ALL ER. ist)	2. OPERATION(s) CONTRIBUTING FLOW (list)	3. FREQUENCY a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	4. FLOW a. FLOW RATE (in mgd) i. LONG TERM AVERAGE	a. MAXIMUM DAILY	b. TOTAL VOLUME (specify with units) i. LONG TERM AVERAGE	b. MAXIMUM DAILY	c. DURATION (in days)
80	Cooling Tower (flows estimated)	7	12	0.01	0.01	0.02 MGD	0.02 MGD	1

ODUCTION

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

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

s 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)

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 ed in the applicable effluent guideline, and indicate the affected outfalls.

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

PROVEMENTS

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

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

TIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS a. NO.	b. SOURCE OF DISCHARGE	3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE a. REQUIRED	b. PROJECTED

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

CONTINUE ON PAGE 3

EPA I.D. NUMBER (copy from Item I of Form 1)
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ITAKE AND EFFLUENT CHARACTERISTICS

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.

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			

OTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

ny 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 oduct?

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

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IIOLOGICAL TOXICITY TESTING DATA

'ou 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 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)*

NTRACT ANALYSIS INFORMATION

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)

ITIFICATION

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

AME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
'Y L. BELOWS, DOE AREA MANAGER	505-667-5105
:N J. TIEDMAN, ASSOC. DIRECTOR FOR OPERATIONS	505-667-9390
GNATURE	D. DATE SIGNED

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

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

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

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

OUTFALL NO. 03A180

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) 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	3. UNITS (specify if blank) a. CONCENTRATION	b. MASS	4. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical Oxygen Demand (BOD)	2.0	12.1						mg/l	g/d			
b. Chemical Oxygen Demand (COD)	42.0	254.4						mg/l	g/d			
c. Total Organic Carbon (TOC)	7.4	44.8						mg/l	g/d			
d. Total Suspended Solids (TSS)	10.0	60.6						mg/l	g/d			
e. Ammonia (as N)	< .01	< 60.560						mg/l	mg/d			
f. Flow	VALUE 1600		VALUE		VALUE			gal/day		VALUE		
g. Temperature (winter)	VALUE 36.9		VALUE		VALUE			°C		VALUE		
h. Temperature (summer)	VALUE		VALUE		VALUE			°C		VALUE		
i. pH	MINIMUM 6.8	MAXIMUM 8.8	MINIMUM 6.0	MAXIMUM 9.0				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	b. 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
a. Bromide (24959-67-9)	X		3.24	19.6						mg/l	g/d			
b. Chlorine, Total Residual		X	0.0	0.0						mg/l	mg/d			
c. Color	X		10							units				
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)	X		2.97	18.0						mg/l	g/d			
f. Nitrate-Nitrite (as N)	X		1.13	6.8						mg/l	g/d			

CONTINUE ON REVERSE

CAS NO. (if available)															
		ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENT	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
g. Nitrogen, Total Organic (as N)	X		2.3	13.9						mg/l	g/d			
h. Oil and Grease		X	< 1.2	< 7.3						mg/l	g/d			
i. Phosphorus (as P), Total (7723-14-0)	X		0.67	4.1						mg/l	g/d			
j. Radioactivity														
(1) Alpha, Total	X		14	84.8						pCi/l	nCi/d			
(2) Beta, Total	X		6.6	40.0						pCi/l	nCi/d			
(3) Radium, Total	X													
(4) Radium 226, Total	X		0.07	0.4						pCi/l	nCi/d			
k. Sulfate (as SO_4) (14808-79-8)	X		143	866.0						mg/l	g/d			
l. Sulfide (as S)	X		0.16	1.0						mg/l	g/d			
m. Sulfite (as SO_3) (14265-45-3)	X		18.8	113.9						mg/l	g/d			
n. Surfactants	X		0.11	0.7						mg/l	g/d			
o. Aluminum, Total (7429-90-5)	X		0.06	0.4						mg/l	g/d			
p. Barium, Total (7440-39-3)	X		0.11	0.7						mg/l	g/d			
q. Boron, Total (7440-42-8)	X		0.33	2.0						mg/l	g/d			
r. Cobalt, Total (7440-48-4)		X	< 0.1	< 0.6						mg/l	g/d			
s. Iron, Total (7439-89-6)	X		1.1	6.7						mg/l	g/d			
t. Magnesium, Total (7439-96-4)	X		5.8	35.1						mg/l	g/d			
u. Molybdenum, Total (7439-98-7)	X		1.7	10.3						mg/l	g/d			
v. Manganese, Total (7439-96-5)	X		0.05	0.3						mg/l	g/d			
w. Tin, Total (7440-31-5)		X	< 0.050	< 0.3						mg/l	g/d			
x. Titanium, Total (7440-32-6)		X	< 0.004	< 24.2						mg/l	mg/d			

CONTINUE ON PAGE V-3

NM0890010515 | 03A180

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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 non required 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" 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
METALS, CYANIDE, AND TOTAL PHENOLS															
1M. Antimony, Total (7440-36-0)			X	< 0.050	< 0.3						mg/l	g/d			
2M. Arsenic, Total (7440-38-2)		XX		0.04	0.2						mg/l	g/d			
3M. Beryllium, Total, 7440-41-7)			X	< 0.1	< 0.6						mg/l	g/d			
4M. Cadmium, Total (7440-43-9)		X		.004	24.2						mg/l	mg/d			
5M. Chromium, Total (7440-47-3)		X		.260	1.6						mg/l	g/d			
6M. Copper, Total (7440-50-8)		X		0.1	0.6						mg/l	g/d			
7M. Lead, Total (7439-92-1)		X		.050	0.3						mg/l	g/d			
8M. Mercury, Total (7439-97-6)			X	< .0002	< 1.2						mg/l	mg/d			
9M. Nickel, Total (7440-02-0)		X		.28	1.7						mg/l	g/d			
10M. Selenium, Total (7782-49-2)			X	< .001	< 6.1						mg/l	mg/d			
11M. Silver, Total (7440-22-4)			X	< 0.01	< 60.6						mg/l	mg/d			
12M. Thallium, Total (7440-28-0)		X		0.51	3.1						mg/l	g/d			
13M. Zinc, Total (7440-66-6)		X		.071	0.4						mg/l	g/d			
14M. Cyanide, Total (57-12-5)		X		.013	78.7						mg/l	mg/d			
15M. Phenols, Total		X		.017	0.1						mg/l	g/d			
DIOXIN															
2,3,7,8-Tetrachlorodibenzo-P-Dioxin (1746-01-6)			X	DESCRIBE RESULTS											

CONTINUE ON REVERSE

(if available)																
GC/MS FRACTI.	VOLATILE COMPOUNDS															
1V. Acrolein (107-02-8)			X													
2V. Acrylonitrile (107-13-1)			X													
3V. Benzene (71-43-2)			X	< 0.005	< 30.3						mg/l	mg/d				
4V. Bis (Chloromethyl) Ether (542-88-1)			X													
5V. Bromoform (75-25-2)		X		0.006	36.3						mg/l	mg/d				
6V. Carbon Tetrachloride (56-23-5)			X	< 0.005	< 30.3						mg/l	mg/d				
7V. Chlorobenzene (108-90-7)			X	< 0.005	< 30.3						mg/l	mg/d				
8V. Chlorodibromomethane (124-48-1)			X	< 0.005	< 30.3						mg/l	mg/d				
9V. Chloroethane (75-00-3)			X	< 0.010	< 0.1						mg/l	mg/d				
10V. 2-Chloroethylvinyl Ether (110-75-8)			X													
11V. Chloroform (67-66-3)			X	< 0.005	< 30.3						mg/l	mg/d				
12V. Dichlorobromomethane (75-27-4)			X	< 0.005	< 30.3						mg/l	mg/d				
13V. Dichlorodifluoromethane (75-71-8)			X													
14V. 1,1-Dichloroethane (75-34-3)			X	< 0.005	< 30.3						mg/l	mg/d				
15V. 1,2 Dichloroethane (107-06-2)			X	< 0.005	< 30.3						mg/l	mg/d				
16V. 1,1-Dichloroethylene (75-35-4)			X	< 0.005	< 30.3						mg/l	mg/d				
17V. 1,2-Dichloropropane (78-87-5)			X	< 0.005	< 30.3						mg/l	kg/d				
18V. 1,3-Dichloropropylene (542-75-6)			X	< 0.005	< 30.3						mg/l	mg/d				
19V. Ethylbenzene (100-41-4)			X	< 0.005	< 30.3						mg/l	mg/d				
20V. Methyl Bromide (74-83-9)			X	< 0.010	< 60.6						mg/l	mg/d				
21V. Methyl Chloride (74-87-3)			X	< 0.010	< 60.6						mg/l	mg/d				

CONTINUE ON PAGE V-5

1. POLLUTANT AND NUMBER (if available)	2. MARK "X" a. TEST BELIEVED ABSENT	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	< 30.3						mg/l	mg/d			
23V. 1,1,2,2-Tetrachloroethane (79-34-5)			X	< 0.005	< 30.3						mg/l	mg/d			
24V. Tetrachloroethylene (127-18-4)			X	< 0.005	< 30.3						mg/l	mg/d			
25V. Toluene (108-88-3)			X	< 0.005	< 30.3						mg/l	mg/d			
26V. 1,2-Trans-Dichloroethylene (156-60-5)			X	< 0.005	< 30.3						mg/l	mg/d			
27V. 1,1,1-Trichloroethane (71-55-6)			X	< 0.005	< 30.3						mg/l	mg/d			
28V. 1,1,2-Trichloroethane (79-00-5)			X	< 0.005	< 30.3						mg/l	mg/d			
29V. Trichloroethylene (79-01-6)			X	< 0.005	< 30.3						mg/l	mg/d			
30V. Trichlorofluoromethane (75-69-4)			X	< 0.005	< 30.3						mg/l	mg/d			
31V. Vinyl Chloride (75-01-4)			X	< 0.010	< 60.6						mg/l	mg/d			
GC/MS FRACTION — ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)			X	< 0.010	< 60.6						mg/l	mg/d			
2A. 2,4-Dichlorophenol (120-83-2)			X	< 0.010	< 60.6						mg/l	mg/d			
3A. 2,4-Dimethylphenol (105-67-9)			X	< 0.010	< 60.6						mg/l	mg/d			
4A. 4,6-Dinitro-O-Cresol (534-52-1)			X	< 0.010	< 60.6						mg/l	mg/d			
5A. 2,4-Dinitrophenol (51-28-5)			X	< 0.010	< 60.6						mg/l	mg/d			
6A. 2-Nitrophenol (88-75-5)			X	< 0.010	< 60.6						mg/l	mg/d			
7A. 4-Nitrophenol (100-02-7)			X	< 0.010	< 60.6						mg/l	mg/d			
8A. P-Chloro-M-Cresol (59-50-7)			X	< 0.010	< 60.6						mg/l	mg/d			
9A. Pentachlorophenol (87-86-5)			X	< 0.010	< 60.6						mg/l	mg/d			
10A. Phenol (108-95-2)			X	< 0.010	< 60.6						mg/l	mg/d			
11A. 2,4,6-Trichlorophenol (88-06-2)			X	< 0.010	< 60.6						mg/l	mg/d			

AND C/ NUMBI (if availab.				a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VAL (if available)		LONG TERM AVRG. VALUE (if available)		d. NO. OF ANAL-YSES	a. CONCEN-TRATION	b. MASS	3. INTAKE (optional) a. LONG-AVERAGE		b. NO. OF ANAL-YSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION		
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)			X	< 0.010	< 60.6						mg/l	mg/d			
2B. Acenaphthylene (208-96-8)			X	< 0.010	< 60.6						mg/l	mg/d			
3B. Anthracene (120-12-7)			X	< 0.010	< 60.6						mg/l	mg/d			
4B. Benzidine (92-87-5)			X	< 0.010	< 60.6						mg/l	mg/d			
5B. Benzo (a) Anthracene (56-55-3)			X	< 0.010	< 60.6						mg/l	mg/d			
6B. Benzo (a) Pyrene (50-32-8)			X	< 0.010	< 60.6						mg/l	mg/d			
7B. 3,4-Benzo-fluoranthene (205-99-2)			X	< 0.010	< 60.6						mg/l	mg/d			
8B. Benzo (ghi) Perylene (191-24-2)			X	< 0.010	< 60.6						mg/l	mg/d			
9B. Benzo (k) Fluoranthene (207-08-9)			X	< 0.010	< 60.6						mg/l	mg/d			
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)			X	< 0.010	< 60.6						mg/l	mg/d			
11B. Bis (2 Chloro-ethyl) Ether (111-44-4)			X	< 0.010	< 60.6						mg/l	mg/d			
12B. Bis (2-Chloro-propyl) Ether (108-60-1)			X	< 0.010	< 60.6						mg/l	mg/d			
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)			X	< 0.010	< 60.6						mg/l	mg/d			
14B. 4-Bromo-phenyl Phenyl Ether (101-55-3)			X	< 0.010	< 60.6						mg/l	mg/d			
15B. Butyl Benzyl Phthalate (85-68-7)			X	< 0.010	< 60.6						mg/l	mg/d			
16B. 2-Chloro-naphthalene (91-58-7)			X	< 0.010	< 60.6						mg/l	mg/d			
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)			X	< 0.010	< 60.6						mg/l	mg/d			
18B. Chrysene (218-01-9)			X	< 0.010	< 60.6						mg/l	mg/d			
19B. Dibenzo (a,h) Anthracene (53-70-3)			X	< 0.010	< 60.6						mg/l	mg/d			
20B. 1,2 Dichloro-benzene (95-50-1)			X	< 0.010	< 60.6						mg/l	mg/d			
21B. 1,3-Dichloro-benzene (541-73-1)			X	< 0.010	< 60.6						mg/l	mg/d			

CONTINUE ON PAGE V-7

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. PRESENT	b. ABSENT	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 a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	6. NO. OF ANALYSES
GC/MS FRACTION — BASE/NEUTRAL COMPOUNDS (continued)															
22B. 1,4-Dichlorobenzene (106-46-7)			X	< 0.010	< 60.6						mg/l	mg/d			
23B. 3,3'-Dichlorobenzidine (91-94-1)			X	< 0.010	< 60.6						mg/l	mg/d			
24B. Diethyl Phthalate (84-66-2)			X	< 0.010	< 60.6						mg/l	mg/d			
25B. Dimethyl Phthalate (131-11-3)			X	< 0.010	< 60.6						mg/l	mg/d			
26B. Di-N-Butyl Phthalate (84-74-2)			X	< 0.010	< 60.6						mg/l	mg/d			
27B. 2,4-Dinitrotoluene (121-14-2)			X	< 0.010	< 60.6						mg/l	mg/d			
28B. 2,6-Dinitrotoluene (606-20-2)			X	< 0.010	< 60.6						mg/l	mg/d			
29B. Di-N-Octyl Phthalate (117-84-0)			X	< 0.010	< 60.6						mg/l	mg/d			
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)			X	< 0.010	< 60.6						mg/l	mg/d			
31B. Fluoranthene (206-44-0)			X	< 0.010	< 60.6						mg/l	mg/d			
32B. Fluorene (86-73-7)			X	< 0.010	< 60.6						mg/l	mg/d			
33B. Hexachlorobenzene (118-74-1)			X	< 0.010	< 60.6						mg/l	mg/d			
34B. Hexachlorobutadiene (87-68-3)			X	< 0.010	< 60.6						mg/l	mg/d			
35B. Hexachlorocyclopentadiene (77-47-4)			X	< 0.010	< 60.6						mg/l	mg/d			
36B. Hexachloroethane (67-72-1)			X	< 0.010	< 60.6						mg/l	mg/d			
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X	< 0.010	< 60.6						mg/l	mg/d			
38B. Isophorone (78-59-1)			X	< 0.010	< 60.6						mg/l	mg/d			
39B. Naphthalene (91-20-3)			X	< 0.010	< 60.6						mg/l	mg/d			
40B. Nitrobenzene (98-95-3)			X	< 0.010	< 60.6						mg/l	mg/d			
41B. N-Nitrosodimethylamine (62-75-9)			X	< 0.010	< 60.6						mg/l	mg/d			
42B. N-Nitrosodi-N-Propylamine (621-64-7)			X	< 0.010	< 60.6						mg/l	mg/d			

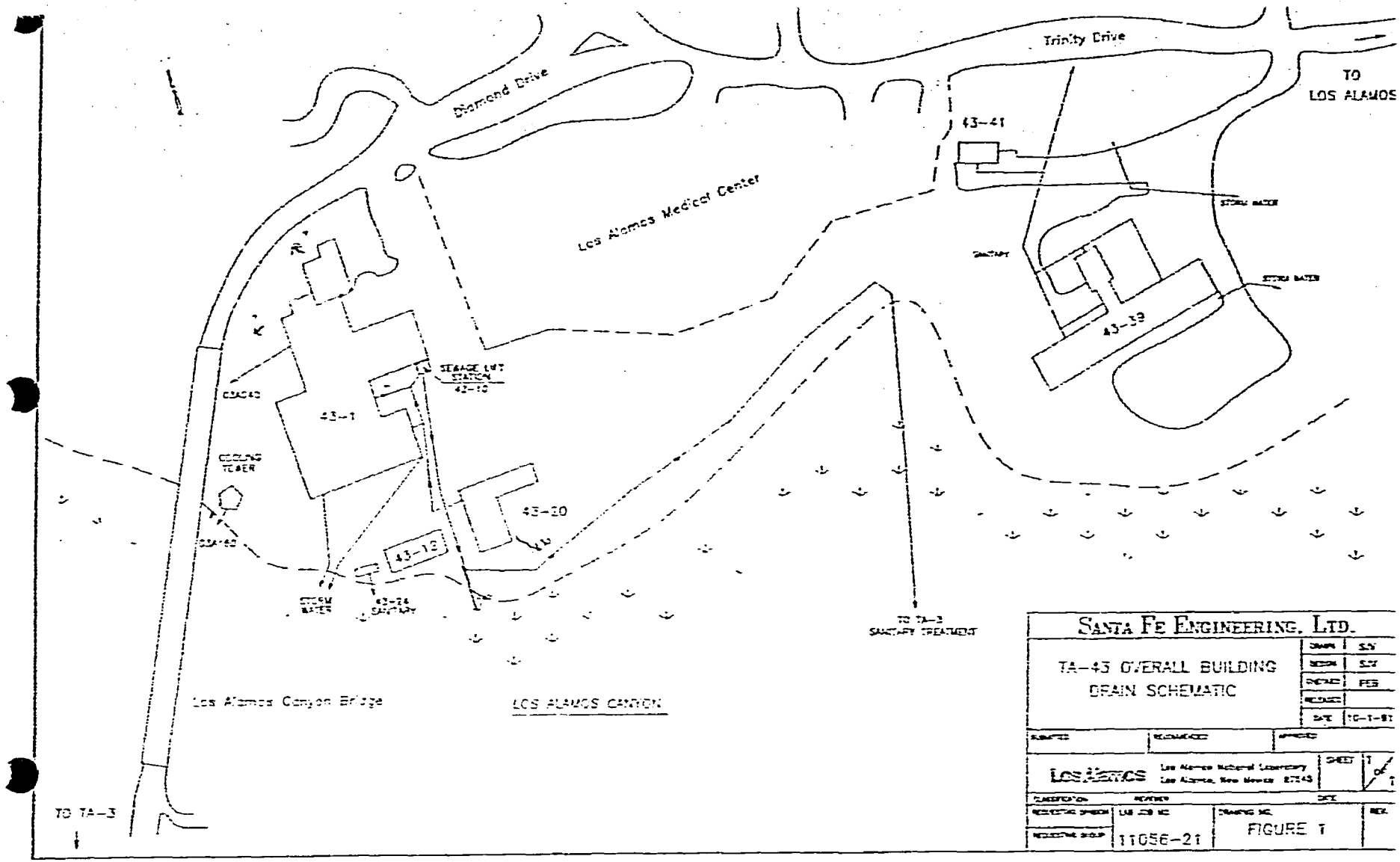
CAS NUMBER (if available)	b. Believed Present	c. Believed Absent	a. MAXIMUM DAILY VALUE (1) Concentration	(2) Mass	b. MAXIMUM 30 DAY VALUE (if available) (1) Concentration	(2) Mass	c. LONG TERM AVERAGE VALUE (if available) (1) Concentration	(2) Mass	d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE (1) Concentration	(2) Mass	b. NO. OF ANALYSES
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS *(continued)*														
38. N-Nitro-odiphenylamine 66-30-6)			X	< 0.010	< 60.6						mg/l	mg/d			
43. Phenanthrene 65-01-8)			X	< 0.010	< 60.6						mg/l	mg/d			
58. Pyrene 129-00-0)			X	< 0.010	< 60.6						mg/l	mg/d			
68. 1,2,4-Tri-hlorobenzene 120-82-1)			X	< 0.010	< 60.6						mg/l	mg/d			
GC/MS FRACTION – PESTICIDES														
P. Aldrin 309-00-2)			X	< 0.06	< 0.4						ug/l	mg/d			
P. α-BHC 319-84-6)			X	< 0.02	< 0.1						ug/l	mg/d			
P. β-BHC 319-85-7)			X	< 0.1	< 0.6						ug/l	mg/d			
P. γ-BHC 58-89-9)			X	< 0.03	< 0.2						ug/l	mg/d			
P. δ-BHC 319-86-8)			X	< 0.12	< 0.7						ug/l	mg/d			
P. Chlordane 57-74-9)			X	< 0.25	< 1.5						ug/l	mg/d			
P. 4,4'-DDT 50-29-3)			X	< 0.06	< 0.4						ug/l	mg/d			
P. 4,4'-DDE 72-55-9)			X	< 0.08	< 0.5						ug/l	mg/d			
P. 4,4'-DDD 72-54-8)			X	< 0.08	< 0.5						ug/l	mg/d			
P. Dieldrin 60-57-1)			X	< 0.08	< 0.5						ug/l	mg/d			
P. α-Endosulfan 115-29-7)			X	< 0.05	< 0.3						ug/l	mg/d			
P. β-Endosulfan 115-29-7)			X	< 0.08	< 0.5						ug/l	mg/d			
P. Endosulfan sulfate 1031-07-8)			X	< 0.09	< 0.5						ug/l	mg/d			
P. Endrin 72-20-8)			X	< 0.06	< 0.4						ug/l	mg/d			
P. Endrin aldehyde 7421-93-4)			X	< 0.62	< 3.8						ug/l	mg/d			
P. Heptachlor 76-44-8)			X	< 0.03	< 0.2						ug/l	mg/d			

CONTINUE ON PAGE V-9

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X" a. ABSENT	b. BELIEVED PRESENT	c. BELIEVED ABSENT	3. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	4. UNITS a. CONCENTRATION	b. MASS	5. INTAKE (optional) a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)			X	< 0.08	< 0.5						ug/l	mg/d			
18P. PCB-1242 (53469-21-9)			X	< 0.71	< 4.3						ug/l	mg/d			
19P. PCB-1254 (11097-69-1)			X	< 0.71	< 4.3						ug/l	mg/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	< 0.71	< 4.3						ug/l	mg/d			
24P. PCB-1016 (12674-11-2)			X	N.D.											
25P. Toxaphene (8001-35-2)			X	< 2.5	< 15.1						ug/l	mg/d			

DYE STUDY INFORMATION

BUILDING NUMBER	DRAIN NUMBER	DID DYE REACH EXPECTED	COMMENTS
43-1	SBFD2	YES	DRAINS TO SEWAGE LIFT STATION
43-1	SBFD4	YES	CONNECTED TO EPA 03A-040
43-1	SBFD5	YES	CONNECTED TO EPA 03A-040
43-1	SBFD6	YES	CONNECTED TO EPA 03A-040
43-1	SBFD8	YES	CONNECTED TO EPA 03A-040
43-1	SBFD9	YES	CONNECTED TO EPA 03A-040
43-1	SBFD11	YES	CONNECTED TO EPA 03A-040
43-1	SBFD13	YES	DRAINS TO SEWAGE LIFT STATION
43-1	SB SUMP	YES	DRAINS TO SEWAGE LIFT STATION
43-1	BFD15	YES	DRAINS TO SEWAGE LIFT STATION
43-1	BFD38	YES	DRAINS TO SEWAGE LIFT STATION
43-1	BSD46	YES	DRAINS TO SEWAGE LIFT STATION
43-1	BSD51	YES	DRAINS TO SEWAGE LIFT STATION
43-1	1FD1	YES	DRAINS TO SEWAGE LIFT STATION
43-1	1FD4	YES	DRAINS TO SEWAGE LIFT STATION
43-1	2SD32	YES	DRAINS TO SEWAGE LIFT STATION
43-1	2SD33	YES	DRAINS TO SEWAGE LIFT STATION
43-1	2SD34	YES	DRAINS TO SEWAGE LIFT STATION
43-1	2SD39	YES	DRAINS TO SEWAGE LIFT STATION
43-1	RD14	YES	CONNECTED TO EPA 03A-040
43-1	RD15	YES	CONNECTED TO EPA 03A-040


Trinity Drive
TO LOS ALAMOS
Diamond Drive
43-41
Los Alamos Medical Center
STORM WATER
SANITARY
STORM WATER
43-39
SEWAGE LIFT STATION 43-10
43-1
COOLING TOWER
43-20
43-13
STORM WATER
43-26 SANITARY
TO TA-3 SANITARY TREATMENT
Los Alamos Canyon Bridge
LOS ALAMOS CANYON
TO TA-3
SANTA FE ENGINEERING, LTD.
TA-43 OVERALL BUILDING DRAIN SCHEMATIC
LOS ALAMOS
11056-21
FIGURE 1

Media Place Holder
Target

This target represents media that was not microfilmed. The original media can be obtained through the Records Processing Facility.

ER ID # 58455

Box # 203

Record Type: Schematic

Date: 10/21/92

Symbol: LJ #110560-21

Subject:

TA-43-1 Sub Basement Penthouse & Roof Drain Schematic
Figure #2 LJ#110560-21 Dated: 10/21/92

Media Place Holder Target

This target represents media that was not microfilmed. The original media can be obtained through the Records Processing Facility.

ER ID # 58455

Box # 203

Record Type: Schematic

Date: 10/21/92

Symbol: LJ # 11056-21

Subject:

TA-43-1 Basement Drain Schematic
Figure #3 LJ # 11056-21

Media Place Holder Target

This target represents media that was not microfilmed. The original media can be obtained through the Records Processing Facility.

ER ID # 58455

Box # 203

Record Type: Schematic

Date: 10/21/92

Symbol: LJ #11056-21

Subject:

TA-43-1 First + Second Floor
Drain Schematic Figure #4
LJ #11056-21 Dated: 10/21/92

Media Place Holder
Target

This target represents media that was not microfilmed. The original media can be obtained through the Records Processing Facility.

ER ID # 58455

Box # 203

Record Type: Schematic

Date: 11/02/92

Symbol: LJ# 11056-21

Subject:

TA-43-1 New Addition Northside
Figure 5 LJ # 11056-21 Dated 11/02/92

Media Place Holder
Target

This target represents media that was not microfilmed. The original media can be obtained through the Records Processing Facility.

ER ID # 58455

Box # 203

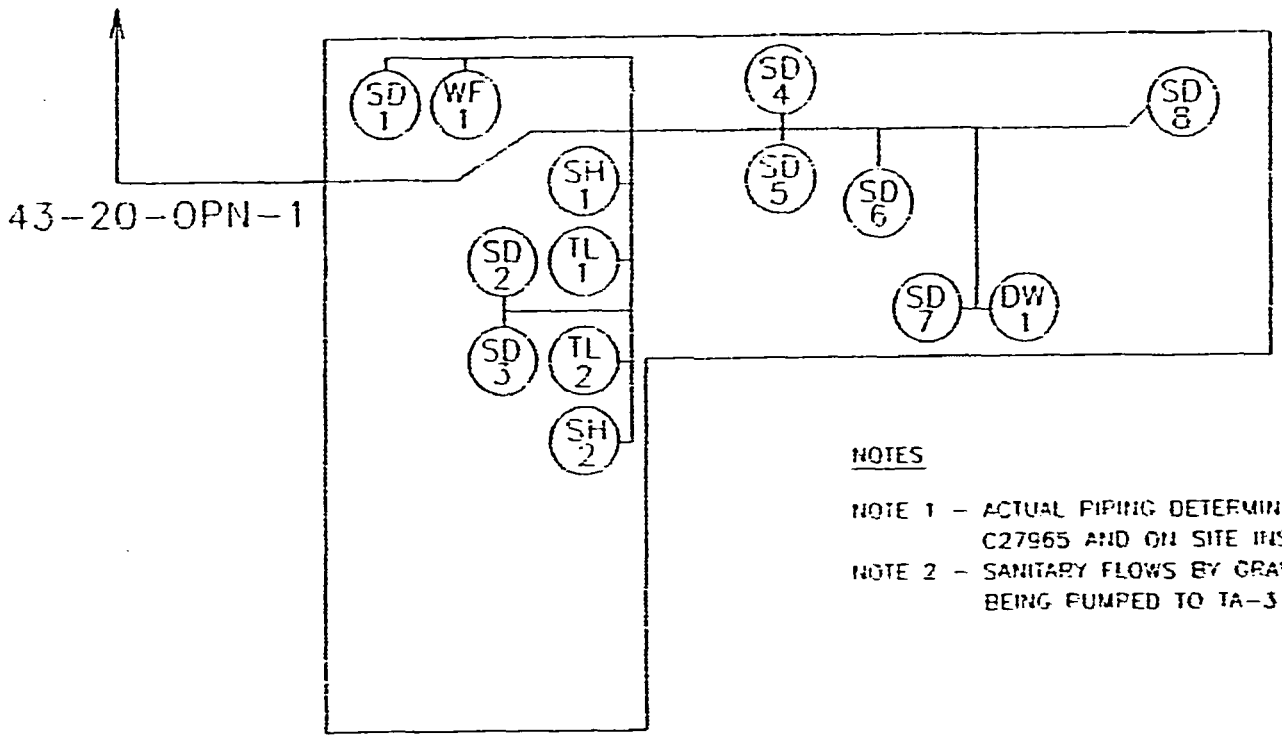
Record Type: Schematic

Date: 10/17/91

Symbol: LJ # 11056-21

Subject:

TA-43-39 Building Drain Schematic
Figure #7 LJ # 11056-21 Dated 10/17/91



LEGEND

DW – DISHWASHER
SD – SINK DRAIN
SH – SHOWER
TL – TOILET
WF – WATER FOUNTAIN

NOTES

NOTE 1 – ACTUAL PIPING DETERMINED FROM ENGINEER DRAWINGS R5475 AND C27965 AND ON SITE INSPECTION

NOTE 2 – SANITARY FLOWS BY GRAVITY TO SEWAGE LIFT STATION BEFORE BEING PUMPED TO TA-3 SANITARY TREATMENT PLANT

SANTA FE ENGINEERING, LTD.

TA-43-20 BUILDING
DRAIN SCHEMATIC

DRAWN	SJV
DESIGN	SJV
CHECKED	PEB
DATE	10/13/91

SUBMITTED | RECOMMENDED | APPROVED

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 | 11056-21 | FIGURE 6