

10

Dale 1998
ERID 62337
L.J. Dale December 16, 1998

Los Alamos National Laboratory Environmental Restoration Program
DAILY ACTIVITY LOG

Page 1 of 10

Science Applications International Corporation
122 Longview Drive
Los Alamos, New Mexico 87544
505-672-3666, FAX 505-672-3161

Date: December 16, 1998 Field Unit: Canyons
Technical Area(s): N/A Operable Unit: N/A
Site Work Plan: Sandia Canyon and Cañada del Buey Workplan

Signature: Leslie Dale
Name: Leslie Dale Title: Geologist

SUBJECT: ESH-18 NPDES Outfall Discharge Data for Outfalls in the Sandia Canyon and Cañada del Buey Watersheds

Personnel: Leslie Dale, Michael Saladen (ESH-18)
Time: N/A

Work Description:

Michael Saladen (ESH-18) was contacted on November 17 to provide discharge data and permit status information for NPDES outfalls located in Sandia Canyon and Cañada del Buey as listed in FIMAD. Mr. Saladen submitted information by fax on December 2 for outfalls currently remaining on the Laboratory's NPDES permit and provided status update for outfalls that have been deleted from the permit. A series of e-mail communications to document information exchange is attached.

A phone conversation with Mr. Saladen on December 16 addressed the issue of discharge volumes for outfalls that have been deleted from the permit. Mr. Saladen stated that each of these outfalls discharged intermittently and infrequently and classified the discharge volumes as "low flow." Historic flow data is available in the ESH-18 NPDES Quarterly Industrial Discharge Monitoring Logs.

A revised draft of Tables 2.2.1-2 and 2.2.1-3 of the Sandia Canyon and Cañada del Buey Workplan is attached that represents the comprehensive data and information received from Mr. Saladen.

Received by ER-RPF
JAN 11 1999
mkA



7438

Leslie Dale

Dale DAI 12/16/98 p2/10

From: Leslie Dale
Sent: Tuesday, November 17, 1998 1:29 PM
To: 'Michael Saladen'
Subject: NPDES Outfall Data in Sandia Canyon and Canada del Buey

Mike,

I've attached tables containing the NPDES outfalls for which I am requesting information. If you have questions, please do not hesitate to call me at 662-0443.
Thank you very much for your help.

Leslie



NPDES OUTFALLS in
SC and CDB.d...

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Leslie Dale

See Dale 12/16/98 p3/10

From: saladen_michael_t
it: Tuesday, December 01, 1998 3:53 PM
To: Leslie Dale
Subject: Re: NPDES Outfalls in Sandia Canyon and

Leslie,

Sorry about the delay. I should have this completed by the end of the week. Do I need to fill out all the information for all the outfalls listed? Lets discuss.

Mike

Priority: urgent
Date: Tue, 1 Dec 1998 13:43:00 -0700
From: Leslie Dale <ldale@mailgate.lanl.gov>
Subject: NPDES Outfalls in Sandia Canyon and Cana
To: "'Michael Saladen'" <saladen_michael_t@lanl.gov>

Hi Mike,

I was wondering if you had been able to make any progress compiling information for the tables I sent to you a couple of weeks ago. Please let me know if you have any questions (662-0443). I'd appreciate if you would please send the tables to me at ldale@trail.com when complete.

Thank you very much for your help.

Leslie

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fax: 505-672-3161

Leslie Dale

Dale DAL 12/10/98 p4/10

From: saladen_michael_t
Sent: Wednesday, December 09, 1998 3:04 PM
To: Leslie Dale
Subject: RE: NPDES Outfalls in Sandia Canyon and

Leslie,

Did you receive my fax regarding NPDES outfall information? Do you need additional information?

Mike

Priority: urgent
Date: Wed, 2 Dec 1998 10:46:00 -0700
From: Leslie Dale <ldale@mailgate.lanl.gov>
Subject: RE: NPDES Outfalls in Sandia Canyon and
To: saladen_michael_t <saladen_michael_t@lanl.gov>

Mike,

The outfalls listed in the tables for Sandia and Canada del Buey are those which FIMAD shows as located within or discharging within the respective watersheds. We believe it is a complete list, however if you are aware of outfalls that are within the watershed that are not on the table, the addition of that information would be important to us. Likewise, if we've included outfalls that you are aware are mis-located or mis-identified, we'd like to know that as well. However, I'm not asking you to QA the list - we're assuming it is correct unless you recognize errors.

I've attached the NPDES table from the Pajarito Canyon work plan to serve as an example of the information that Brenda provided to us last year. The information that is most important to us that you may be able to provide is under the column headings "Active", "Discharge", and "Comment". Brenda used the comment field to indicate whether the outfall had been removed from the permit, was pending removal, or other status information. The fields of "Description" and "Discharge Location" would be helpful if this information is available in the DMRs, sample logs, or other database that ESH-18 may maintain. We want to specify what each outfall is permitted for and the source location (usually a structure(s)). Please try to fill in the tables as best as your resources allow, and let me know if there are column fields that you do not have information for.

Hope this clarifies things. If you have any questions, please feel free to call me at 662-0443. Thank you again for your help.

Leslie

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[[NPDESP~1.DOC : 4389 in NPDESP~1.DOC]]

Date DAL 12/16/98 p5/10

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

WATER QUALITY & HYDROLOGY GROUP, ESH-18
FAX TRANSMITTAL COVER SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: 12-2-98

LOG NO: WQ&H-FAX-97

FROM: Mike Soler

PHONE #: (505) 665-6085
699-1284

TO: Leslie Dale FAX #: (888) 672-3161 PHONE #: (505) 662-0443

ORG: SAC

TO: _____ FAX #: _____ PHONE #: ()

ORG: _____

TO: _____ FAX #: _____ PHONE #: ()

ORG: _____

MESSAGE: Attached is a hard copy of the information you requested. I lost this file on my computer while working on it. Fortunately, I had printed it before I lost it. Please call if you have any questions.

NUMBER OF PAGES INCLUDING COVER: 4

CY: WQ&H FAX FILE

Charles
ME
TEAM LEADER OR GROUP LEADER

Date DAC 12/16/98 p 6/10

handwritten notes per phone conv. w/ Mike Saladen 12/16/98

NPDES OUTFALLS IN SANDIA CANYON

NPDES No.	Description	Discharge Location	Active	Discharge Volume	Comment
01A-001	Floor drains and steam condensate outfall	TA-3-22	Yes	300,000 gpd	TA-3 Power Plant Outfall. Also receives sanitary reuse effluent
03A-023	Cooling tower outfall	TA-3-156	No	<i>infrequent + intermittent</i>	Outfall deleted 7/11/95. Storm water remaining.
03A-024	Cooling tower outfall	TA-3-187	Yes	5700 gpd	Seasonal discharge
03A-027	Cooling tower outfall	TA-3-285	Yes	16,000 gpd	Seasonal discharge
03A-047	Cooling tower outfall	TA-53-60	Yes	16,400 gpd	Seasonal discharge
03A-113	Cooling tower outfall	TA-53-293, 1032	Yes	184,728 gpd	Seasonal discharge
03A-114	Cooling tower outfall	TA-53-2	No		Outfall deleted 7/11/95
03A-125	Cooling tower outfall	TA-53-28	No		Outfall deleted 7/20/98
03A-145	Cooling tower outfall	TA-53-6	No		Outfall deleted 1/14/98
03A-146	Cooling tower outfall	TA-53-14	No		Outfall deleted 9/19/97
03A-148	Cooling tower outfall	TA-3-1498, 1807	No		Outfall deleted 9/19/97. Storm water remaining.
03A-184	Cooling tower outfall	TA-53-17	No		Outfall deleted 8/16/95
04A-094	Non-contact cooling water	TA-3-170	No		Outfall deleted 9/19/97. Storm water remaining.
04A-109	Surface impoundment outfall <i>non-contact cooling</i>	South of TA-3-73	No	300 gpd	??? Not on Laboratory's NPDES Permit? <i>deleted prior to 1994</i>
04A-133	?? <i>non-contact cooling</i>	?? <i>TA-53-14</i>	No		Not on Laboratory's NPDES Permit.
04A-135	Non-contact cooling water	TA-53-18	No		Outfall deleted 8/16/95
01A-140	Non-contact cooling water	TA-3-141	No		Outfall deleted 8/16/95
04A-161	Drinking Water Well <i>151 once through cooling</i>	Quowi Well #1	Yes <i>No</i>	3700 gpd	Operated by Los Alamos County. <i>deleted 8/16/95</i>
04A-163	Drinking Water Well	Pajarito Well #1	Yes	400 gpd	Operated by Los Alamos County.
04A-165	Drinking Water Well	Pajarito Well #3	Yes	4844 gpd	Operated by Los Alamos County.
06A-183	Photo Rinse Water	TA-3-510	No		Outfall deleted 8/16/95
SSS-01S	<i>deleted - no longer</i>	Sanitary discharge	No		Outfall deleted prior to 1994. TA-46 WWTP outfall at TA-3--22 <i>formerly discharges to CIS</i>
NM0024210	Former TA-3 WWTP outfall	???	No	???	TA-3 STP outfall is 01S. See SSS-01S.

Note: gpd = gallons per day

NPDES OUTFALLS IN CAÑADA DEL BUEY

NPDES No.	Description	Discharge Location	Active	Discharge Volume	Comment
000-6	???				
000-7	???				
03A-042	Cooling Tower Discharge	TA-46-1	No		Outfall deleted 3/10/98
03A-043	Cooling Tower Discharge	TA-46-31	No		Outfall deleted 7/31/96
03A-124	Cooling Tower Discharge	TA-46-169	No		Outfall deleted 12/6/95
03A-136	Cooling Tower Discharge	TA-46-200	No		Outfall deleted 12/6/95

Date DAL 12/16/98 p 7/10

04A-013	Non-contact cooling water	TA-46-30	No		Outfall deleted 12/6/95
04A-014	Non-contact cooling water	TA-46-88	No		Outfall deleted 7/11/95
04A-018	Non-contact cooling water	TA-46-24, 59, 76	No		Outfall deleted 12/6/95
04A-118	Drinking Water Well	Pajarito Well #4	No <i>Yes</i>	1700 gpd	Operated by Los Alamos County.
SSS-07S	Sanitary Wastewater	TA-46 N	No		<i>Outfall deleted prior to 94</i>
SSS-012S	Sanitary Wastewater	TA-46 STP	No		<i>Outfall deleted prior to 94</i>
SSS-013S	Sanitary Wastewater	TA-46 SWSC Plant	Yes	300,000 gpd	No discharge to Canada del Buey. Discharge is at TA-3 Power Plant NPDES Outfall 001.

Note: gpd - gallons per day

135 could discharge below TA-46 or be re-routed to 001
 (permit allows discharge through 135, avoided due to potential flow through WR)

Dale DAL 12/16/98 p 8/10

Priority: urgent
Date sent: Tue, 17 Nov 1998 13:29:00 -0700
From: Leslie Dale <ldale@mallgate.lanl.gov>
Subject: NPDES Outfall Data in Sandia Canyon and
To: "Michael Saladen" <saladen_michael_t@lanl.gov>

Mike,

I've attached tables containing the NPDES outfalls for which I am requesting information. If you have questions, please do not hesitate to call me at 662-0443. Thank you very much for your help.

Leslie

[[NPDES0~1.DOC : 5166 in NPDES0~1.DOC]]

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505-672-3666 or 505-662-0443
fax: 505-672-3161

Date DAL 12/16/98 P 9/10

TABLE 2.2.1-2
NPDES OUTFALLS IN SANDIA CANYON

NPDES No.	Description	Discharge Location	Active	Discharge Volume	Comment
01A-001	TA-3 power plant outfall	TA-3-22	Yes	300,000 gpd	Outfall also currently handles sanitary reuse effluent discharged from TA-46 SWSC
03A-023	Cooling tower outfall	TA-3-156	No	Infrequent	Deleted 7/11/95
03A-024	Cooling tower outfall	TA-3-187	Yes	5,700 gpd	Seasonal discharge
03A-027	Cooling tower outfall	TA-3-285	Yes	16,000 gpd	Seasonal discharge
03A-047	Cooling tower outfall	TA-53-60	Yes	16,400 gpd	Seasonal discharge
03A-113	Cooling tower outfall	TA-53-293, 1032	Yes	184,728 gpd	Seasonal discharge
03A-114	Cooling tower outfall	TA-53-2	No	Infrequent	Deleted 7/11/95
03A-125	Cooling tower outfall	TA-53-28	No	Infrequent	Deleted 7/20/98
03A-145	Cooling tower outfall	TA-53-6	No	Infrequent	Deleted 1/14/98
03A-146	Cooling tower outfall	TA-53-14	No	Infrequent	Deleted 9/19/97
03A-148	Cooling tower outfall	TA-3-1498, 1807	No	Infrequent	Deleted 9/19/97
03A-184	Cooling tower outfall	TA-53-17	No	Infrequent	Deleted 8/16/95
04A-094	Non-contact cooling water outfall	TA-3-170	No	Infrequent	Deleted 9/19/97
04A-109	Non-contact cooling water outfall	South of TA-3-73	No	Infrequent	Deleted prior to 1994
04A-133	Non-contact cooling water outfall	TA-53-14	No	Infrequent	Deleted prior to 1994
04A-135	Non-contact cooling water outfall	TA-53-18	No	Infrequent	Deleted 8/16/95
04A-140	Non-contact cooling water outfall	TA-3-141	No	Infrequent	Deleted 8/16/95
04A-151	Once-through cooling water outfall	South of TA-3-22	No	Infrequent	Deleted 8/16/95
04A-163	Municipal supply well	PM 1	Yes	400 gpd	Operated by Los Alamos County
04A-165	Municipal supply well	PM 3	Yes	4844 gpd	Operated by Los Alamos County
06A-183	Photo rinse water outfall	TA-3-510	No	Infrequent	Deleted 8/16/95
SSS-01S	Former TA-46 WWTP outfall at TA-3	Southeast of TA-3-22	No	None	Deleted prior to 1994
NM0024210	Former TA-3 WWTP outfall	Southeast of TA-3-22	No	None	Predecessor to SSS-01S

*gpd = gallons per day

Source: Data 1998, ER 107

TABLE 2.2.1-3
NPDES OUTFALLS IN CAÑADA DEL BUEY

NPDES No.	Description	Discharge Location	Active	Discharge Volume	Comment
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Date DAL 12/16/98 p 10/10

			ve		
03A-042	Cooling tower outfall	TA-46-1	No	864 gpd	Deleted 3/10/98
03A-043	Cooling tower outfall	TA-46-31	No	144 gpd	Deleted 7/31/96
03A-124	Cooling tower outfall	TA-46-169	No	<144 gpd	Deleted 12/6/95
03A-136	Cooling tower outfall	TA-46-200	No	<144 gpd	Deleted 12/6/95
04A-013	Non-contact cooling water outfall	TA-46-30	No	<144 gpd	Deleted 12/6/95
04A-014	Non-contact cooling water outfall	TA-46-88	No	9,936 gpd	Deleted 7/11/95
04A-018	Non-contact cooling water outfall	TA-46-2	No	432 gpd	Deleted 12/6/95
04A-118	Municipal supply well	PM-4	Yes	1,700 gpd	Operated by Los Alamos County
SSS-07S	Sanitary wastewater	TA-46	No	1,728 gpd	Deleted prior to 1994
SSS-012S	Sanitary wastewater	TA-46	No	<144 gpd	Deleted prior to 1994
SSS-013S	Sanitary wastewater	TA-46 SWSC	Yes	None	No discharge to Cañada del Buey; discharge is routed to 01A-001 outfall at TA-3 - See Table 2.2.1-2

*gpd = gallons per day

Source: Dale 1996, ERJ22; Biggs and Cross 1995, 52028, p. 5