

Galloway, Erik, NMENV

From: Mark P Haagenstad [mph@lanl.gov]
Sent: Thursday, January 11, 2007 10:32 AM
To: Galloway, Erik, NMENV
Cc: grieggst@lanl.gov; saladen@lanl.gov
Subject: Re: FW: News: ENTS *Sp. 11 Reporting*

Erik,

Still getting some verification done, but I believe the water flowed over PRS 03-030 (administratively complete) and PRS 03-012(b)-00. There did not appear to be any impacts. Let me know if you want to have a look. I have photos. Thanks for the information....

Mark

At 09:39 AM 1/11/2007, you wrote:

This is the new spill reporting system that is suppose to make NMED more accountable. Mark, what were those PRS number affected by the spill? Erik

Erik Galloway, B.S., MWRA
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Quote of the Week:

"Realists do not fear the results of their study."

Fyodor Dostoevsky

From: Stone, Marissa, NMENV
Sent: Wednesday, January 10, 2007 6:11 PM
To: NMENV-global
Subject: News: ENTS

Environment Department launches Web site for residents, NM

SANTA FE (AP) _ The state Environment Department has started a Web-based system that will allow New Mexicans to ask questions and comment on environmental issues and will allow the department to respond quickly.

Residents can ask questions, make suggestions or report issues related to department programs, including hazardous waste, air quality and water and wastewater systems.

The system can be accessed through the agency's Web site, www.nmenv.state.nm.us, then clicking the ENTS, or Environmental Notification Tracking System, icon at the bottom right corner of the page.

"The system will allow us to respond to residents as soon as possible concerning environmental questions and issues," said Environment Secretary Ron Curry.

The system isn't meant to replace the current process on permits, nor is it set up to handle emergency issues.



5836

Status: DRAFT

PRS Number 03-012(b)-00
Miscellaneous - TA-03 power plant

Permit Status: Consolidated/Split unit - Parent of HSWA SWMU	Former Operable Unit: OU 1114
Technical Area: TA-03	Dates of Operation: 1950s- Present
Sampled by ER Project?: Yes	ER Remedial Action Conducted?: No
Structure Number: N/A	Other Remedial Action Conducted?: No
Regulatory Status: In Progress	Radiological Release Report Required?: Yes
NFA Initial Proposal Date: Not Applicable	Rad COPC: Confirmed
NFA Criteria:	Facility Management Unit: FMU- 8
Watershed (Reporting): Sandia	Aggregate Area (Reporting): Upper Sandia Canyon
Private Property?: No	Workoff Date: Not Applicable
Unit Status:	Authorization Basis: None
Category: Not Available	Regulatory Program: Not Available

SWMU Report Page

Table of Acronyms

Glossary

SWMU Report Sampling Summary ...Data Caveats...

All Analytical Suites Sampled	No. of Analytes Detected	No. of Analytes Exceeding Background/Fallout Levels	No. of Analytes Exceeding Screening Action Levels
Herbicide	0	Not applicable for this suite	0
Inorganic chemicals	23	10	1
PCB	2	Not applicable for this suite	1
Pesticides	0	Not applicable for this suite	0
Radionuclide	12	10	0
SVOC	12	Not applicable for this suite	1
VOC	0	Not applicable for this suite	0

Unit Description

Consolidated unit 03-012(b)-00 consists of a holding tank [SWMU 03-014(q)] and two permitted outfalls [SWMU 03-045(c) and SWMUs 03-012(b) and 03-045(b), which are the same site]. The SWMUs are associated with the TA-03 steam plant (Building 03-22). The outfalls discharge into a small tributary of Sandia Canyon directly south of the steam plant (Building 03-22).

SWMUs 03-012(b) and 03-045(b) are the same site: a discharge point for a permitted outfall associated with LANL's TA-03 steam plant. Discharge from a current permitted outfall at the TA-46 SWSC plant is pumped to the TA-03 steam plant for re-use and discharges to the SWMUs 03-012(b)/03-045(b) outfall. The outfall received effluent from two cooling towers (structures 03-25 and -58) and also the chlorine building (Building 03-24). Cooling tower 03-25 was demolished in 1990, but the concrete foundation remains. Stormwater that collects in the concrete foundation of former cooling tower 03-25 also flows to this outfall from pipe valves that previously were connected to the cooling system. Cooling tower 03-58 remains and is inactive. From 1951 to 1985 the power plant used treated effluent water from the TA-03 WWTP [consolidated unit 03-014(a)-99] as cooling tower liquids.

Historically, chromates were used to treat the cooling-tower effluent.

SWMU 03-014(q) is the power plant's holding tank, which receives blowdown from the boilers and wastewater from the water treatment area. Effluent is treated in the holding tank to adjust pH and hinder bacterial growth. Sulfuric acid or sodium hydroxide (as appropriate) is used to maintain a pH of 6 to 9. Effluent is dechlorinated before it is discharged into Sandia Canyon. A one-time release to this outfall occurred on May 20, 1990. Low pH values were observed in a 2.5-mile section of the watercourse below the outfall. Soda ash was added manually to the length of the watercourse, and a May 23, 1990, pH survey detected no pH measurements below 6.9. In compliance with the NPDES permits, the outfall effluent is monitored periodically for TSS, pH, and total chlorine.

SWMU 03-045(c) is a permitted outfall, located about 55 ft east of SWMU 03-012(b)/03-045(b). SWMU 03-045(c) receives effluent from a cooling tower (structure 03-285), which serves the generators that power LANL's computer system. This outfall may have received chromate-treated water.

Project Activities

The ER Project conducted an RFI at SWMU 03-012(b)/03-045(b) in 1994 to determine whether the outfall discharge resulted in the release of any contaminants to the environment. Five samples were collected from five locations. Sample locations were biased. Three downstream sample locations were included to characterize the sediments in the outfall channel. Samples were analyzed for inorganic chemicals, organic chemicals, radionuclides, organochlorine pesticides, herbicides, and PCBs. Analysis results show that additional investigation is needed to determine the extent of contamination at consolidated unit 03-012(b)-00.

A gas turbine and new utility corridor are being installed within the boundary of consolidated unit 03-012(b)-00. Characterization samples were collected from portions of the site in 2002 and 2003 that would not be accessible once the utilities and gas turbine were installed. Several inorganic chemicals were detected above screening levels. The top 12 inches of surface soil within the new utility corridor on the east side of the cooling towers and from the location of the new concrete pad for the gas turbine was removed from the site. Sampling data will be evaluated in a future plan or report.

Related PRSs (Historical Information)

03-012(b), 03-014(q), 03-045(b), 03-045(c),

NOTE: Information presented on this page was derived from previously published documents and subject matter expert knowledge. Any discussion of BVs, FVs, and SSL/SALs is taken from referenced documents and reflects the values in use at the time the documents were written. If RFI activities were conducted at this site, they are described in detail in the documents listed in the Documents hyperlink above.

