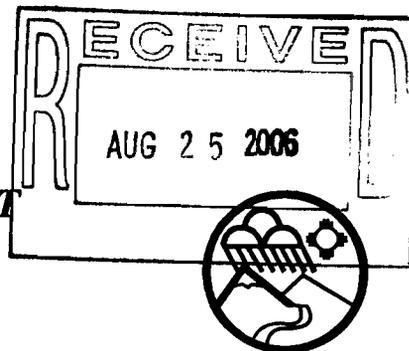


TA21

21-018a



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June 30, 2006

Mr. Gene Turner, DOE/AIP/POC
Department of Energy
Los Alamos Site Office, MS A316
Los Alamos, NM 87545

SUBJECT: Report Submittal: NMED-DOE-OB Site Evaluation For Storm Water And Erosion Controls At MDA-V (TA-21) Restoration Site At Los Alamos National Laboratory, June 7, 2006.

Mr. Gene Turner:

NMED DOE OB is submitting the referenced report documenting our participation in a site evaluation of MDA-V for storm water and erosion controls at TA-21 on June 7, 2006 that was pursuant to the NPDES General Permit for Large and Small Construction Activities (Clean Water Act, 33 U.S.C. §1251 et.seq.). MDA-V is the site of an environmental restoration project that is being cleaned up to RCRA residential clean-up levels. Target date for project completion is 2006.

Thank you for your continued support of our environmental monitoring and site evaluations at LANL. Please notify Erik Galloway (428-2547, email- erik.galloway@state.nm.us) at your earliest convenience if you have any questions concerning this report.

Sincerely,

Stephen Yanicak
Steve Yanicak, Staff Manager

SY:eg



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Mr. Gene Turner
Page 2
6/29/2006

Enclosures: 1) Report: NMED-DOE-OB Site Evaluation Report For Storm Water And
Erosion Controls At MDA-V (TA-21) Restoration Site At Los Alamos
National Laboratory, June 7, 2006 (Galloway, NMED).
2) Photographs of the Stormwater Controls, and BMPs associated with the
NMED-DOE Oversight Bureau Inspection of TA-21 MDA-V Project (Robin
Reynolds, LANS)

cc w/enclosure: Dave McInroy, LANS, EP-CAP-DO MS M992
Victoria A. George, LANS, ENVP-DO MS J978
Steve Veenis, LANS, ENVP-RCRA MS K490
Steve Rae, LANS, ENVP-RCRA MS K490
Michael Saladen, LANS, ENVP-RCRA MS K490
Robin Reynolds, LANS, ENVP-RCRA MS K490

wo/enclosure: Thomas Skibitski, NMED, Bureau Chief, DOE-OB

c:/TA21_MDAV SW_Erosion Eval submit Galloway_06_07_061.doc

Subject: NMED-DOE-OB Site Evaluation Report For Storm Water And Erosion Controls At MDA-V (TA-21) Restoration Site At Los Alamos National Laboratory, June 7, 2006.

The site evaluation was made pursuant to the National Pollution Discharge Elimination System (NPDES) General Permit for Large and Small Construction Activities (Clean Water Act, 33 U.S.C. §1251 et. seq.).

Participants:

Erik Galloway (NMED-DOE-OB)
Robin Reynolds (LANS, ENVP-RECA)
Jake Meadows (LANS, ENVP-RECA)
Jennifer Foot (Merrick/ENVP-RCRA)
Rebecca J. Coel-Roback (LANS, TA-21 MDA-V, Site Project Manager)

MDA-V is the site of an environmental restoration project that is being cleaned up to RCRA residential clean-up levels. Target date for project completion is 2006. The MDA-V TA-21 site is covered under an Environmental Protection Agency (EPA) National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges from Construction Activity Permit No.NMR150000 and its activities at Los Alamos National Laboratory.

Site History:
Site Evaluation on 3/15/2006

Construction Entrance:

The construction entrance evaluated had angular rock placed upon a semi-permeable liner. Thickness was adequate and there was no sign of tracking on the adjacent road. DOE-OB staff was informed that the street was being swept by a street-sweeper bi-weekly. The NOI was posted in plain view at the entrance to the site.

Western side Straw Bails and Wattles:

These wattles were close to being breached. DOE-OB staff suggested that the facility add an additional layer of wattles in order to raise its height so that any further runoff would be mitigated.

Site Evaluation on 6/7/2006

DOE-OB staff met LANS staff and their contractors at TA-21 at approximately 2:00 pm. The day was clear with no rain.

Because the site has almost been almost completely remediated, there were no construction activities at the time of the site evaluation. DOE-OB staff were told that MDA-V management were waiting for a determination by the New Mexico Environment Department (NMED), Hazardous Waste Bureau (HWB) concerning the southern steep slope area's final cleanup status before final stabilization is to be implemented. This determination by NMED HWB will be based on the areas risk assessment. Personal protection equipment was used during this site evaluation including a hard hat, safety vest, safety goggles, and safety boots.

Overall:

The site was well maintained and clear of debris. Much of the site had been track roughed to help prevent erosion. In addition, all previous BMP suggestions made in the previous evaluation report and some additional BMPs at the bottom of the southern steep slope had been implemented.

Straw Wattles:

A general suggestion was made that when using straw wattles in future projects, that LANL staff and their contractors may want to try the stake and twine method for securing wattles in place instead of the center stake method. Center staking tends to flatten the straw wattles when the stakes are driven directly through the wattle leaving low areas. The rope and twine method of securing the wattles would help the wattles keep their shape and would prevent low spots from happening that could lead to overtopping during rain events.

Remnant Vegetation:

In order to enhance the sites visual aesthetics, a suggestion was made to use a wood chipper for rendering remnant vegetation into wood chips that could be spread throughout the site.

Southern Steep Slope:

As discussed above, the final condition and ultimate stabilization of the southern steep slope has yet to be determined. To prevent additional erosion and subsequent riling from rain events, a suggestion was made by DOE-OB staff to add more burmed terraces to the upper part of the hillside. This additional BMP would help to further reduce storm water flow velocities and possible erosion by further shortening the slope length. Furthermore, the use of a Flexterra® or other form of Flexible Growth Medium (FGM) in the slopes trench areas would increase stability to this terrace/berm application. Also, the

application of a polymer or tackifying agent on the slope while the final status determination is being resolved would help to provide additional stability and erosion protection on this steep and highly erodible slope.

Final:

A final suggestion was made that project management work with ENVP-RCRA and Merrick staff to develop final stabilization designs for the project for slope stabilization and re-vegetation so that these plans can be strategically and cost effectively implemented during the final phase of the project.

If there are any questions concerning these recommendations, please call either Erik Galloway at 428-2547. Mr. Galloway will notify appropriate LANL staff to schedule any follow-up site evaluations

Sincerely,



Mr. Stephen Yanicak
Program Manager/POC
DOE Oversight Bureau
New Mexico Environment Department

SY:eg

xc: Steve Rae, LANS, ENVP-RCRA, MS K490
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Robin Reynolds, LANS, ENVP-RECA, MS K490
File, NMED, DOE OB, Santa Fe/White Rock
Spill File