

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

memorandum

TO: SWAT Team Members
DATE: July 16, 2001

FROM: Steve Veenis/ ESH-18-ER *SV*
MAIL STOP/TELEPHONE: K497/7-0013

SYMBOL: ESH-18/WQ&H:01-241

SUBJECT: **DRAFT SURFACE WATER ASSESSMENT TEAM MEETING MINUTES FOR
JUNE 26, 2001**

1.0 PURPOSE

Standard Operating Procedure (SOP) 2.01 was developed to provide a systematic approach to identifying Potential Release Sites (PRS) which have the potential to adversely impact surface water quality through surface water runoff or erosional processes. As a part of this procedure, a Surface Water Site Assessment Team (SWAT) was coordinated with representatives from the Environmental Restoration Project, Water Quality & Hydrology Group (ESH-18), DOE/Oversight Bureau and LANL Facility Management. The SWAT role is to provide recommendations from the SOP 2.01 findings for the installation of BMPs that may be needed to address erosion at PRSs. These recommendations are then provided to the ER Project and Facility Management for their evaluation. The SWAT role is to provide recommendations to the ER Project or Facility Managers, not to direct work or actions.

The SWAT is responsible for

- Evaluating Constituent Assessments (Part A) and Surface Water Site Assessments (Part B) for completeness or for potential surface water impacts,
- Recommending whether a corrective/interim action is necessary at an evaluated site,
- Providing input for schedule and prioritization for a corrective/interim action at an evaluated site,
- Determining who the appropriate responsible party is for implementing a corrective/interim action at an evaluated site, and
- Communicating the findings of SWAT to the appropriate responsible parties and regulators.
- Discussion of relevant issues regarding potential surface water impacts.



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HSWA LANL G/m/2001
 "Surface Water"
 "SWAT"

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2.0 DISCUSSION

2.1 The following issues were discussed at the SWAT meeting:

- Follow up items regarding the March 15, 1999 PCB Memo – Data or reports associated with Table 3 (TSCA Clean ups) have been difficult to trace down. The NMED will formally request this information from ESH-19 and ER Project.
- SOP 2.01 Surface Water Site Assessments were completed at all of the remaining PRSs on the >1 ppm list. The completed forms were provided to SWAT members for review. The following sites and scores were provided;

1. 2-004(c)	39.5
2. 3-049(b)	3.6
3. 33-004(a)	21.0
4. 33-012(a)	21.0
5. 35-003(misc)	27.5
6. 35-0014(b)	10.6

These assessments will be reviewed by the SWAT at a future meeting.

- A review on the status of previous SWAT recommendations for sites on the > 1ppm list was provided. The following sites were reviewed;
 - a) 0-017 Request information on where the >1 ppm PCB sample was collected
 - b) 0-018(a) Request information on where the >1 ppm PCB sample was collected
 - c) 0-030(g) Request site visit to assess impact to site from nearby construction project
 - d) 3-012(b) Request verification that site is covered under facility SWPP Plan
 - e) 3-013(a) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
 - f) 3-014(c2) Request information regarding who is responsible for inspection and maintenance
 - g) 3-056(c) Site remediation and restoration near completion, inspection/maintenance ongoing
 - h) 9-013 >70% vegetative cover by this summer anticipated, inspection/maintenance ongoing
 - i) 18-003(c) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
 - j) 21-024(i) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan

- k) 35-003(d,l,q) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
- l) 35-003(r) BMPs installed, no inspection/maintenance, not HSWA
- m) 35-016(o) BMPs installed, site stable
- n) 50-006(a) No erosion occurring, no BMPs required, TA-50 SWPP Plan
- o) 50-006(d) TA-50 RLWTF outfall, no BMPs at this time, subsurface reactive barrier planned
- p) 53-002(a) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
- q) 73-001(a) BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
- r) 73-002 BMPs installed, inspection and maintenance occurring by SWMU/SWPP Plan
- s) C-33-001 Site sediments vacuumed at SWAT request in 9/99, no further BMPs required

The SWAT believes that appropriate controls and measures are in place to address the PCB concern at these sites. If future information or conditions change, the SWAT may recommend additional controls at that time.

- The SWAT reviewed the NMED High Priority LANL PRS List for issues associated with surface water. The sites and activities of highest concern are requests for storm water monitoring, run-on/runoff controls and site stabilization at several PRSs. The SWAT evaluates erosion potential and recommends appropriate controls to reduce the potential for sediment migration at PRSs using SOP 2.01. Since 1997, erosion controls have been installed at over 200 PRSs including most of the sites listed on the NMED High Priority List. The Laboratory's Watershed Management Program is responsible for monitoring surface water runoff throughout Laboratory property. Seventy (70) gauging stations have been installed to implement the monitoring program on a sub-watershed scale. The gauging stations support the Laboratory's NPDES Storm Water Multi-Sector Permit and the Environmental Surveillance Program. All PRSs on the NMED High Priority List have a surface water gauging station located downstream to monitor both water quality and quantity. The SWAT will continue to assess the potential impact from the PRSs on the NMED High Priority List as new information becomes available. At this time however, the SWAT believes that adequate measures have been initiated at these sites to address run-on/runoff controls and storm water monitoring.
- Based on new information, PRS 50-009 (MDA-C) was discussed. The erosion matrix score for the site is 54.8. Two "sink holes" approximately 3'-4' deep have developed within the asphalt drainage conveyance along the northern portion of MDA C. In addition, several erosion features have developed along the northern fence line near Ten Site Canyon.

Recommendations: Backfill and patch the "sink holes" within the drainage channel. Assess run-on controls that may mitigate future occurrences of the problem. Place sediment retention controls (i.e., straw wattles) along fence line to reduce impact to Ten Site Canyon.

Any exceptions taken to these minutes should be brought to the attention of the Steve Veenis (667-0013), within five (5) working days of receipt.

SV/tml

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