

General

**Los Alamos**
NATIONAL LABORATORY
memorandum

Risk Reduction & Environmental Stewardship Division
Water Quality & Hydrology Group
(RRES-WQH)

To/MS: SWAT TEAM MEMBERS
From/MS: Steve Veenis, RRES-WQH, MS K497 SV
Phone/Fax: 7-0013/5-9344
Symbol: ~~RRES-WQH-02-431~~
Date: November 21, 2002

**SUBJECT: FINAL SURFACE WATER ASSESSMENT TEAM MEETING MINUTES FOR
OCTOBER 23, 2002**

1.0 PURPOSE

The Surface Water Site Assessment Team (SWAT) continues an effort to review the Laboratory's Storm Water Monitoring Program for the Multi-Sector General Permit. A Data Quality Objective (DQO) process will be used to determine the adequacy of the data collected by the Laboratory's monitoring network. The SWAT role is to provide a review of Multi-Sector General Permit (MSGP) Sector K – which includes Solid Waste Management Units (SWMUs), station locations, analytical methods, Benchmark Parameters and approved monitoring waivers and to make recommendations on how to improve the overall approach.

2.0 DISCUSSION

2.1 Suspended Sediment Sampling

Most of the discussion consisted of an evaluation of the pros and cons of including suspended sediment sampling as part of monitoring below SWMUs, and of exactly what role suspended sediment monitoring might play in the overall program. The prevailing opinion was that monitoring only for Sector K benchmarks would not be environmentally protective. There is a desire to include suspended sediment monitoring as a tool to evaluate whether BMPs are functioning, and whether monitoring should be continued at a given site. Suspended sediment would not become a "benchmark" but might be part of a "BMP effectiveness study" aimed at determining whether the SWPPP needs to be revised.

The following questions remain to be resolved:

1. If there is a commitment to suspended sediment sampling, how exactly is that commitment included in the program?
2. Which method for suspended sediment sampling should be adopted (TSS, SSC, etc.)?
3. What determines whether a given location has a suspended sediment "problem" (comparison to action level/trend evaluation/etc.)?
4. If data from a given location suggest there is a problem, what are the next steps?
5. If data from a given location suggest there is no problem, what are the next steps?
6. If a given location has a suspended sediment problem that cannot be fixed, what are the next steps?
7. If we are conducting trend analysis, how can we evaluate a site with BMPs but no pre-BMP baseline?
8. What will be the cost associated with effort in terms of time, material and manpower?



These issues will be considered at future meetings.

2.2 Decision Logic

The group reviewed a draft decision logic diagram reflecting the results of previous meetings. Based on comments on the draft and the outcome of today's meeting, a revised draft will be prepared for consideration at the next meeting.

2.3 Monitoring Locations

We will continue with additional field visits to identify suitable monitoring locations in TAs 21, 35, and 46. A priority will be to find drainages that include runoff from multiple SWMUs. Another consideration will be to find locations where there is significant run-on.

The next meeting is scheduled for Wednesday, November 7, 2002 in Santa Fe at the DOE/Oversight Bureau offices. Any exceptions taken to these minutes should be brought to the attention of Steve Veenis (505) 667-0013, within five (5) working days of receipt.

Participants:

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Ralph Ford-Schmid
Barbara Hoditschek
Kevin Hull
Ken Mullen
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NOV 2002

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