

General LANL 2002


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 
Phone/Fax: 7-0013/5-9344
Symbol: RRES-WQH: 02-429
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**SUBJECT: FINAL SURFACE WATER ASSESSMENT TEAM MEETING MINUTES FOR
OCTOBER 16, 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 Single-Stage Samplers

The meeting featured a video on single-stage samplers that was produced by the manufacturer D-Tec. The single-stage sampler is versatile, operates without a power source and is more economical than alternatives. It is designed to collect first flush runoff events, featuring a self-sealing trigger that shuts off when the container is full. It can be installed on a stake in running water, or at ground level with a buried sample container. The video dealt primarily with care and maintenance of the device, rather than with issues related to sampling strategy and installation of the sampler.

Following the video presentation, there was discussion of the pros and cons of various sampling approaches. There was concern that alternative devices such as ISCO samplers would not be suitable for sampling immediately below SWMUs because the volume of water would not be adequate. However, before LANL proceeds with single-stage samplers, there would need to be coordination within the Water Quality and Hydrology Group, and an SOP would need to be prepared for this application.



2.2 Suspended Sediment Sampling

Discussion continued about whether and how to incorporate suspended sediment sampling as part of SWMU runoff monitoring. Though not required by the MSGP, sediment sampling would be a good indicator of BMP effectiveness. Work has begun on a decision logic that would incorporate suspended sediment sampling options. This decision logic will be presented and discussed in future meetings.

2.3 Storm Water Pollution Prevention Plan for SWMUs

LANL's SWPPP is designed for comprehensive coverage of the approximately 150 locations where BMPs have been implemented. A concern was expressed about whether the SWPPP adequately captures the individual characteristics of SWMUs. LANL is confident that it does, but will make a presentation on this subject at a future meeting.

The next meeting is scheduled for Wednesday, October 16th in White Rock 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:

Kevin Hull
Ralph Ford-Schmid
Ken Mullen
Steve Veenis

SV/yg

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Cy: Ralph Ford-Schmid, DOE/OB, Santa Fe, NM
Barbara Hoditschek, DOE/OB, Santa Fe, NM
Brett Lucas, NMED/SWQB, Santa Fe, NM
James Davis, NMED/SWQB, Santa Fe, NM
James Bearzi, NMED/HWB, Santa Fe, NM
Everett Spencer, EPA Region VI, Dallas, TX
Gene Turner, DOE/OLASO, MS A316
Doug Stavert, RRES-EP, MS J591
Dave McInroy, RRES-R, MS M992
Alison Dorries, RRES-R, MS M992
Tony Grieggs, RRES-SWRC, MS K490
Steven Rae, RRES-WQH, MS K497
Mike Saladen, RRES-WQH, MS K497
Mike Alexander, RRES-WQH, MS K497
Ken Mullen, RRES-WQH, MS K497
Deb Woitte, LC-ESH, MS A187
RRES-WQH File, MS K497

