

FY03 Workplan for Environmental Monitoring and Surveillance Committee

Section 1. Mission and Purpose of the Committee

The mission and purpose of the Environmental Monitoring and Surveillance Committee of the NNM CAB is to ensure early and ongoing community access to LANL monitoring and surveillance information (and its interpretation and implications) and dialogue that improves the quality of the decision-making process of DOE and LANL.

Past issues addressed by this committee have been focused on groundwater and air emission quality:

- (1) Groundwater, including the perched alluvial aquifer
 - existence and extent of groundwater contamination
 - potential for contaminants to impact public drinking water supplies
 - implementation of the LANL Hydrogeologic Work Plan
- (2) Air emissions
 - compliance with the NESHAP standards for radionuclide emissions from federal facilities
 - gamma and neutron radiation spikes recorded by NEWNET at TA-18 along Pajarito Road
 - apparent discrepancies in dose estimates between the LANL annual surveillance report and the NEWNET data
 - air emission lawsuit filed by CCNS that resulted in an independent audit by Dr. Till of the Risk Assessment Corporation.
- (3) Water discharges
 - perchlorate in LANL discharges, its detection in surface water and groundwaters, and LANL activities to manage this chemical

Section 2. Issues to be Addressed in FY 2003

- Development and implementation of the LANL Hydrogeologic Workplan
- Watershed management, including surface water issues and LANL outfalls
- Draft NMED Corrective Action Order
- Draft RCRA operating permit

Section 3. Activities to be Conducted and Expected Outcomes

Activities:

Hydrogeologic Workplan (HWP)

Track updating and implementation of the HWP

Attend quarterly and annual meetings of the HWP

Prepare draft Fact Sheets on selected issues. The objectives of these Fact Sheets are to focus the committee's attention on specific issues, to capture in a systematic fashion its growing state of knowledge in a format amenable to updating, and to



provide products suitable for informing other CAB members and the public on these issues.

- Overview of the Los Alamos groundwater system
- Overview of LANL monitoring and characterization well networks (including DQOs)
- Strontium-90 in Los Alamos groundwater
- Tritium in Los Alamos groundwater
- High explosives in Los Alamos groundwater
- Groundwater modeling: how is it done, what are the inputs, assumptions, and outputs?
- Drilling costs

Present draft Fact Sheets to other CAB members and interested stakeholders for review, to ensure identification of public concerns

Submit draft Fact Sheets to CAB Outreach Committee for final editing and formatting, updating the Citizens' Toolkit, posting on CAB web site, distribution at public meetings, mailings, etc.

Prepare draft recommendations for CAB review on issues of public concern, including site-specific aspects of the general statements that were developed at the SSAB Groundwater Workshop and submitted to the DOE/LAAO as NNMCAB Recommendation 2002-5

Follow up on recommendations until the issue is brought to closure to the CAB's satisfaction; document closure in an appropriate manner

Watershed management

Review Watershed Management Program Plan and Stormwater Pollution Prevention Plans, including their regulatory drivers

Prepare draft Fact Sheets on selected issues:

- Overview of Los Alamos watersheds
- Water use trends at LANL
- LANL permitted outfalls: past, present, future
- Surface water sampling network
- Best Management Practices (BMPs) for watershed management
- Plutonium in Los Alamos runoff and soils
- High explosives in Los Alamos runoff and soils
- Nitrates in Los Alamos runoff and soils
- Mortendad Canyon passive reactive barrier
- Watershed management in Los Alamos/Pueblo Canyon (prototype for series of Fact Sheets on individual watersheds)

"Contaminants in general are important."

Present draft Fact Sheets for other CAB members and interested stakeholders for review, to ensure identification of public concerns

Submit draft Fact Sheets to CAB Outreach Committee for final editing and formatting, updating the Citizens' Toolkit, posting on CAB web site, distribution at public meetings, mailings, etc.

Conduct workshop and field trip on watershed BMPs

Prepare draft recommendations for CAB review on issues of public concern, as appropriate
Follow up on recommendations until the issue is brought to closure to the CAB's satisfaction; document closure in an appropriate manner

Draft RCRA Permit and Draft NMED Corrective Action Order

Identify monitoring and surveillance issues in these two draft documents, especially as related to the HWP and watershed management
Review specific RCRA permit and CAO issues as identified above
Facilitate discussions about these issues in non-confrontational environment
Coordinate with other CAB committees to investigate specific issues and develop recommendations to DOE as appropriate

Outcomes:

Fact Sheets for the Outreach Committee and to provide background for recommendations
Recommendations to DOE on groundwater and watershed management, monitoring, and other issues of concern to the committee
Documentation of committee assessment of DOE responses to its recommendations, and of follow-up actions, as appropriate
Workshop on accessibility of LANL environmental data to the public
Workshop and field tour of best management practices for watershed management

Schedule:

Month	Business	HWP activity	Watershed management activity	Draft CAO and RCRA permit activity
-------	----------	--------------	-------------------------------	------------------------------------

September 2002	Committee meeting; Board meeting			
October 2002	Committee meeting	Attend quarterly HWP stakeholders' meeting		
November 2002	Committee meeting; Board meeting			
December 2002	Committee meeting			
January 2003	Committee meeting; Board meeting	Attend quarterly HWP stakeholders' meeting		
February 2003	Committee meeting			
March 2003	Committee meeting; Board meeting	Attend annual HWP stakeholders' meeting		
April 2003	Committee meeting			
May 2003	Committee meeting; Board meeting; Board retreat			
June 2003	Committee meeting	Attend quarterly HWP stakeholders' meeting		
July 2003	Committee meeting; Board meeting			
August 2003	Committee meeting			
September 2003	Committee meeting; Board meeting			

Section 4. Resource Requirements

(document reviews, presentations, tours, training, workshops...)

Draft, June 12, 2002

Documents to be available to the committee (via electronic file, link to web site, copy in CAB library, or individual copies of relevant excerpts, as determined by the committee)

- Hydrogeologic Workplan
- Watershed Management Protection Plan
- Stormwater Pollution Prevention Plan(s)
- Well completion reports
- Draft Corrective Action Order
- Draft RCRA Operating Permit
- Annual surveillance reports
- Other documents as identified during the development of the fact sheets

Presentations

-

Workshop and field tour

- Watershed management BMPs
- Public access to LANL environmental data

Section 5. Budget