



Meeting Minutes

July 18–19 2006



The Idaho National Laboratory Site Environmental Management Citizens Advisory Board (INL EM CAB) held its bi-monthly meeting on Tuesday, July 18, 2006, and Wednesday, July 19, 2006, at the AmeriTel Inn in Idaho Falls. An audio recording of the meeting was made and may be reviewed by phoning Support Services at 208-227-1361.

Members Present

Seth Beal
John Bolliger, Vice Chair
Richard Buxton, Co-Chair
Doc DeTonancour
Paul Faulkner
Bill Flanery, Co-Chair
Lila Gold
R.D. Maynard
Willie Preacher
Robert Rodriguez
Fred Sica
Damond Watkins
Doug Weir (excused at 2 p.m., July 18th for prior travel arrangements)
Bruce Wendle

Deputy Designated Federal Officer and Liaisons Present

Rick Provencher, Deputy Designated Federal Officer, Department of Energy Idaho Operations Office (DOE-ID)
Nick Ceto, Liaison, U.S. Environmental Protection Agency (EPA), Region 10
Kathleen Trever, Liaison, State of Idaho Department of Environmental Quality (DEQ)
William Johnson, Liaison, Idaho Cleanup Project (ICP)

Others Present

Lisa Aldrich, Support Services	Mike Hutchinson, NRF
Steve Allred, DOE-EMAB	Robert Iotti, ICP
Bruce Angle, INL	Lori Isenberg, Facilitator
Mark Arenaz, DOE-ID	Alan Jines, DOE-ID
Eva Auman, DOE-ID	Bruce LaRae, State of Idaho
Beatrice Brailsford, public	Tracy Leatham, Support Services
Shannon Brennan, DOE-ID Federal Coordinator	Bill Leake, DOE-ID
Doug Burns, ICP	Gail Lewis-Kido, ICP
Lori Cahn, ICP	Keith Lockie, DOE-ID
Joel Case, DOE-ID	Carol Mascarenas, BEA
Jim Cooper, DOE-ID	Brandt Meagher, ICP
Wendy Dixon, NRF	Mike Patterson, ICP
Vanica Dugger, DOE-ID	Robert Peel, public
Brian Edgerton, DOE-ID	Teresa Perkins, DOE-ID
Jan Hagers, DOE-ID	R. Robbins, public
G. Harrop, public	Erik Simpson, ICP
Mike Hart, public	Nicole Stricker, press
Garth Hassel, public	Scott Van Camp, DOE-ID
M.B. Heiser, ICP	Frank Webber, ICP
Nicole Hernandez, DOE-ID	Ed Ziemianski, DOE-ID

Deputy Designated Federal Officer and Liaison Opening Remarks

Rick Provencher, DDFO, introduced Mr. Steve Allred, member of the EM Advisory Board. Mr. Allred attended this meeting at Mr. Rispoli's request and will report back to him and the EM Advisory Board.

Mr. Provencher said cleanup continues to progress in a safe manner. There are indicators looked for in early development (about 15%) to establish earned value. These dictate whether the project is staying within cost and on schedule. The indicators currently show the project on schedule and slightly under cost.

Mr. Provencher said a 2-year contract modification has been secured with Bechtel for the Advanced Mixed Waste Treatment Project (AMWTP). Baseline is in place indicating what they need to do and how they need to do it. DOE will conduct the same indicator prognosis with that project at 15%.

Mr. Provencher relayed his appreciation of the leadership of the board and likes that they are looking at new ways to conduct the meetings and structure the agenda. He looks forward to the changing pace.

Kathleen Trever, State of Idaho, commented that two key areas, the Tank Farm Facility and the Subsurface Disposal Area, will be undergoing a lot of decision-making over the next few months. The Tank Farm Facility has seven different administrative processes involved. The Subsurface Disposal Area investigation of contaminants and risks has been completed and is available. There has been a good pace in the Waste Isolation Pilot Plant shipments that are expected to continue.

Nick Ceto, EPA, commented that the federal budget is extremely tight. He added that Idaho should appreciate the fact that they are faring well with the work that is being accomplished.

William Johnson, ICP Liaison, said that there has been a significant management change at CWI. Alan Park took a position with the CH2M Hill Corporation in Washington, D.C. He introduced the new president, Mr. Bob Iotti.

Recent Public Involvement

Mr. Provencher summarized EM public outreach, which included the June 7th public meeting to discuss the Hazardous Waste Management Act (HWMA)/Resource Conservation and Recovery Act (RCRA) Permit Modification Request to the HWMA/RCRA Storage and Treatment Permit for the Liquid Waste Management System at the Idaho Nuclear Technology and Engineering Complex (INTEC) to support the sodium-bearing waste integrated waste treatment unit (no members of the public attended).

Ms. Trever commented that in May she attended the State Tribal government meeting in Hanford with board member Willie Preacher. This opportunity included a tour of Hanford and discussion of common interests.

Mid-Year Lifecycle Baseline

Bill Leake provided a mid-year status of the ICP scope with supporting presenters Ed Ziemianski and Scott Van Camp. The presentation included overall safety performance. Then the objectives, projected schedule, accomplishments, and upcoming activities were discussed for the following projects: transuranic waste disposition project, low-level and mixed low-level waste project, AMWTP, Waste Area Group 7 project, Idaho Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Disposal Facility, CERCLA Remediation Project, Pit 9 decontamination and decommissioning (D&D) and end state, Test Area North (TAN)/Reactor Technology Complex/Power Burst Facility D&D, nuclear materials disposition project, integrated waste treatment unit (sodium-bearing waste) project, INTEC Liquid Waste Facility (Tank Farm) closure project, spent nuclear fuel disposition project, and calcine disposition project.

Items of potential interest include: National Academy of Public Administration review of the DOE EM Program, reprogramming of \$155M of privatization funds, additional sodium-bearing waste design funds requested in FY-07, Navy fuel transfer work underway, TAN locomotive moved to the Experimental Breeder Reactor-I museum.

Agency Perspectives

Wendy Dixon from the Naval Reactors Facility (NRF) clarified that the spent fuel receipts between NRF and INTEC are not currently occurring. However, all naval fuel will be returned by 2012.

The EPA has concerns about the low-level waste disposal including: don't know what is going in, no provisions (containers, etc.), and it is a large area that is not capped and may drive groundwater contamination.

Decisions/Disposition

The CAB would like additional information on AMWTP baseline.

Calcine Overview

Jan Hagers defined calcine, provided the CAB with visual samples, and discussed the following information. Calcine is a by-product of recovering uranium from spent nuclear fuel. Calcine solids storage facilities are referred to as bin sets and the calcine is currently in compliant storage at the INL Site. The calcine disposition project drivers are derived from the settlement agreement and site treatment plan milestones. Four approaches are currently under consideration to prepare calcine for shipment and disposal: direct disposal (retrieve and package without treatment and would be in 10- by 2-ft diameter canisters), steam reforming treatment, hot isostatic pressing treatment, and vitrification treatment. These approaches under consideration vary in cost, schedule, and associated risk profiles. Calcine will be placed in waste packages with spent nuclear fuel and will be disposed of in the geologic repository. Near-term priorities for the calcine disposition project include resolving comments on RCRA permit storage in calcine bins, resolving comments on the mission need statement, developing dual path record of decision for calcine path forward, retrieval design, preparing RCRA Part B permit application for retrieval, treatment (if required), packaging, and shipping.

Agency Perspectives

No comment.

Decisions/Disposition

Presentation satisfied the information need for the CAB.

Overview of Environmental Permitting and Regulation

Kathleen Trever explained the basic environmental legal framework for the INL. Ms. Trever introduced each law, tied it with the correct regulator(s), and defined the process by asking what materials (radioactive, solid, and hazardous waste, 75,000 industrial chemicals), where is the pollution (air, water), and how to make decisions (new projects, old messes).

Nolan Jensen presented the CERCLA process. Mr. Jensen discussed risk assessment process of data collection, exposure assessment, toxicity assessment, risk characterization, and risk communication. He also defined the CERCLA nine criteria used to evaluate cleanup alternative during feasibility studies.

Don Rasch gave a brief overview of RCRA, including the history and the permitting process for a DOE facility.

Agency Perspectives

No comment.

Decisions/Disposition

Presentation satisfied the information need for the CAB.

Tank Farm Update

Keith Lockie showed a short video clip of the history of the Tank Farm Facility.

Agency Perspectives

No comment.

Decisions/Disposition

Presentation satisfied the information need for the CAB.

Operable Unit (OU) 3-14 (Tank Farm Soils) Alternatives

Nicole Hernandez discussed the final OU 3-14 Tanks Farm Soils and Groundwater Feasibility Study Alternatives, including the background, remedial action objectives, alternatives, summary, current status, and schedule. The baseline risk assessment determined that if no action is taken, there is an unacceptable risk to the soil for current and future unprotected workers and Idaho water quality standards are predicted to be exceeded in 2095 for strontium-90. Four alternatives were evaluated, as well as a contingent pump and treatment of the groundwater. All alternatives, with the exception of one (limited action) and five (contingent pump and treat), meet all remedial action objectives. Alternatives 2, 3, and 4 include a northern perched water reduction remedy. The proposed plan will identify DOE's preferred alternative as agreed to by EPA and DEQ. Public comments on the proposed plan (comment period scheduled for late August 2006) will be considered in determining the final remedy, which will be documented in the record of decision. The draft record of decision is scheduled for DEQ/EPA review in December 2006. The final record of decision is scheduled for May 2007.

Agency Perspectives

No comment.

Decisions/Disposition

CAB referred this topic to the Clean/Close INTEC committee. Document will be sent to the CAB when available.

Test Area North (TAN)-607A Engineering Evaluation/Cost Analysis (EE/CA)

Mark Shaw explained the history and logistics of the TAN-607 complex including its two distinct sections. TAN-607 is the northern section and includes the hot shop, warm shop, storage pool, locomotive pit, mechanical shop, and carpentry shop (this section being evaluated for a future mission and is not part of this EE/CA, if no

mission is found, then another EE/CA will be done to cover its D&D). TAN-607A is the southern portion of the building and includes manufacturing and maintenance areas, administrative areas, decontamination areas, and the high bay. The recommended alternative is Alternative 1, complete removal (there was only one other, Alternative 2, no action). The rough schedule includes the public comment period on the EE/CA of July 21st to August 21st, action memo finalized on September 7th, and the start of fieldwork on September 15th.

Agency Perspectives

No comment.

Decisions/Disposition

Presentation satisfied the information need for the CAB. Referred to the Strategic Issues Committee for action if needed.

Radioactive Waste Management Complex (RWMC) Remedial Investigation Baseline Risk Assessment

Mark Arenaz, with the help of Brandt Meagher, briefed the CAB on the results of the assessment. The migration of contamination is very limited. The unmitigated risk is evaluated and presented in the assessment. Risk to future residents living next to the Subsurface Disposal Area is the highest predicted risk. Eighteen contaminants of concern are identified: nine are groundwater, nine are surface pathways, and four are both. The next step is the feasibility study, which evaluates remedial alternatives for the buried waste that will mitigate risk (expected to be available to the public in early 2007).

Agency Perspectives

It is important that we restore the aquifer and it meets standards. This is the largest groundwater issue without a plan to take care of it. Risks need to be evaluated and plans need to be made to take care of this issue.

Decisions/Disposition

Presentation satisfied the information need for the CAB. The CAB would like to be kept apprised of this topic.

Public Comment

No one signed up for public comment.

Announcements and Other Board Business

The next meeting will be held September 19–20, 2006 at the AmeriTel Inn in Idaho Falls.

Committee Reports

Strategy for Procedures Update

Shannon Brennan distributed the new interim guidance from headquarters. The procedures need to be updated and approved locally and by headquarters by the start of the new fiscal year.



Decisions/Disposition—Ms. Brennan and support services will prepare and initial draft and submit it for deliberation to the Executive/Administrative Committee.

Productive Meeting Proposal

The board discussed several options for changing the flow of the meeting.

Decisions/Disposition—No agreements were reached and the board opted to not make any additional changes at this time.

CAB Work Session

Chairs Meeting in Santa Fe

Decisions/Disposition—Dick Buxton, Bill Flanery, and Willie Preacher were designated to attend the Chairs meeting with R. D. Maynard as an alternate. The top three issues for the round-robin are groundwater, reprocessing, and the continuity of oversight after closure.

Development of INL Site EM CAB Annual Work Plan for Fiscal Year 2007

Decisions/Disposition—The State, EPA, and DOE will prepare a list of priorities to submit (by July 28th) for the CAB's development of the annual work plan. The Strategic Issues Committee was assigned the initial deliberation task.

Action Items

1. DOE, EPA, and the State will provide input for the Annual Work Plan to the Strategic Issues Committee by July 28th. Final approval at September meeting.
2. Shannon Brennan and support staff will incorporate new guidance into procedures and provide a draft to the Executive/Administrative Committee for review. Final approval at September meeting.
3. DOE will distribute TAN-607A EE/CA when available to the CAB.
4. DOE will distribute OU 3-14 Feasibility Study when available to the CAB.
5. DOE can provide presentation or document of the AMWTP baseline.

Members provided written evaluations to support services at the conclusion of the meeting.

Attachments (8) to these minutes are available on request from the INL Site EM CAB support office.

I certify that these minutes are an accurate account of the July 18–19, 2006, meeting of the Idaho National Laboratory Site Environmental Management Citizens Advisory Board.

Richard Buxton, Co-Chair
Idaho National Laboratory Site Environmental Management Citizens Advisory Board
RLB/lja

August 31, 2006