



**IDAHO NATIONAL ENGINEERING AND
ENVIRONMENTAL LABORATORY
CITIZENS ADVISORY BOARD**

SUMMARY MEETING MINUTES

January 18-19, 2005

**Held at:
Red Lion Hotel on the Falls
475 River Parkway
Idaho Falls, ID**

These minutes were approved and certified by:

David Kipping

David Kipping, Chair, INEEL CAB

2-24-05
Date

Idaho National Engineering and Environmental Laboratory Citizens Advisory Board Summary Meeting Minutes Tuesday, January 18, 2005

MEETING PARTICIPANTS

Members: David Kipping (Chair), Larry Knight (Vice Chair), Seth Beal, John Bolliger, Dick Buxton, Karen Corrigan, D.H. "Doc" DeTonancour, Georgia Dixon, Kenneth Erickson, Paul Faulkner, William Flanery, Lila Gold, Annemarie Goldstein, Ann Nichols, and Willie Preacher (the Shoshone-Bannock representative to the Board).

Ex-Officio Members: Rick Provencher (Department of Energy, Idaho Operations Office [DOE-ID]), Rick Denning and Kathleen Trever (State of Idaho), and Dennis Faulk (U.S. EPA).

WELCOME AND INTRODUCTIONS

David Kipping, CAB Chair, Opening Remarks

Mr. Kipping opened the meeting and welcomed everyone. He noted that the meeting agenda included four recommendations and two letters. Because of the number of recommendations and emerging topics, the original theme for the meeting (Clean/Close INTEC) was deferred to the March 2005 meeting. He said that DOE, in reply to a letter from the CAB chairs requesting a national forum on waste disposition indicated that a response will be provided after new DOE management has had an opportunity to review. Kipping also summarized a briefing received from DOE on recent developments regarding licensing of the Yucca Mountain facility and efforts to make documents available to the public via the internet. It will be at least 2008 before the license is approved by the Nuclear Regulatory Commission. He noted that construction funding issues (including a lack of full funding for FY2005) could delay the opening of the Yucca Mountain facility.

Rick Provencher, DOE-ID, Opening Remarks

Mr. Provencher welcomed everyone to the meeting, noting the cleanup progress achieved during 2004. The Performance Based Incentives (PBIs) with Bechtel are scheduled to be completed at the end of January; Pit 4 work has begun and the laboratory is preparing for Battelle Energy Alliance (BEA)'s assuming management on February 1, 2005. He said DOE has been working to ensure that the laboratory and the clean-up groups have the right mix of worker skills and noted that there has been a renewed effort on risk-based end states and that the public will be involved. He introduced Dr. Chuck Powers and Dr. Henry Mayer with the Consortium for Risk Evaluation with Stakeholder Participation (CRESP) who are assisting DOE on the end states vision. The new cleanup contractor will be announced by March 15, or earlier. Shipments to the Waste Isolation Pilot Plant (WIPP) have resumed from the Advanced Mixed Waste Treatment Facility (AMWTF) operated by British Nuclear Fuels Limited (BNFL). Inez Triay has returned to the DOE Carlsbad Office and has assisted with getting the AMWTF on line, certified and ready to send waste to WIPP. The license has been received for the design of the fuel storage facility being constructed by Foster-Wheeler. Provencher said that it was true that construction could be delayed at Yucca Mountain and said that the Foster-Wheeler facility may be needed to store fuel longer than first predicted.

Rick Denning, State of Idaho, Opening Remarks

Mr. Denning introduced himself to the CAB and relayed Kathleen Trever's thoughts regarding the many changes facing the INEEL. The State of Idaho is concerned with cleanup and the management of waste from new missions and cleanup. In general the State has been pleased with INEEL waste management activities.

Dennis Faulk, EPA, Opening Remarks

Mr. Faulk noted that he is pleased with the work accomplished on site cleanup. Some tough regulatory issues had to be discussed in order to reach a cleanup decision on CPP-603A. EPA would like to assure a smooth transition to a new contractor so that the work will not be interrupted.

Frank Russo, BBWI, Opening Remarks

Mr. Russo said that last November BBWI has been working to divide the workforce into the Idaho Cleanup Project (ICP) and the Idaho National Laboratory (INL). The workforce will begin the cleanup mission February 1, 2005. Profit-Based Incentives will be distributed to 2400 people in the work force. Carol Mascarenas, INEEL's liaison to the CAB, will be leaving the cleanup side to work at the INL. She said that she had enjoyed the opportunity to interact with the CAB and will miss her contacts. Kliss McNeel will assume CAB liaison duties.

Russo commented that the site work force totals 5,268. BEA offered employment to 2,650, leaving 2,618 on the ICP side. Fourteen hundred of the 2,618 were already ICP. Therefore, BBWI is picking up 1,218 personnel that are not tied to ICP, including 321 people that do not have work scope identified. BBWI has been planning since November and will have these people placed by February 1 to work on the cleanup mission.

MEMBER AND COMMITTEE REPORTS

Doc DeTonancour: Stakeholder Meeting on Legacy Management

Mr. DeTonancour said that the Legacy Management meeting he attended in Las Vegas in November 2004 focused on post-retirement benefits for closure sites, including the concerns regarding the impact of contractor changes on workers' pensions and medical benefits. DOE is establishing and will administer the National Stewardship Entity to serve workers impacted by site closures. This program would sunset after 70 years.

Larry Knight (Chair, Cleanup and Closure of the Idaho Nuclear Technology and Engineering Center Committee)

Dr. Knight reported that the Committee reviewed and was entirely satisfied with DOE's response to the CAB's recommendation on cleanup of the CPP-603A Basin.

Ann Nichols (Chair, Balance of Cleanup Committee)

Ms. Nichols said that the Committee reviewed and appreciated the radiation fact sheets prepared by Katie Hain, DOE and felt that it was presented in an understandable fashion. The Committee urged DOE to continue to explore ways to communicate risk and asked that DOE update fact sheets to include any new nuclides such as niobium.

ENVIRONMENTAL MANAGEMENT (EM) PROGRESS STATUS, EMERGING ISSUES

Rick Provencher (DOE-ID)

Provencher reviewed the status and progress of INEEL cleanup activities. Provencher noted the concern of a CAB member, who said that until the Idaho Completion Project award is made and there is direction from a new contractor, workers will be in a state of upset.

Frank Russo (Bechtel)

In response to a CAB member's question about retaining utility infrastructure at clean-up sites, Russo said that utilities would be retained if they may be needed in an area in the future. In response to a CAB member's question as to whether demolition of CPP-637 included the high bay, Russo replied that the high bay was the last piece to be demolished and that its contents were decontaminated before demolition. CPP-627 demolition has also begun. Many areas of this building are to be decontaminated before demolition.

Rick Denning (State of Idaho)

Denning said that the State was happy to see progress over the last year and will be coordinating the shipment of transuranic waste to assure that no unexpected issues are encountered.

Dennis Faulk (U.S. EPA)

Faulk commented that the pictures of site cleanup activities were valuable.

General Public Questions and Discussion

A member of the public asked about the percentage of volatile organics that had been removed from the SDA. Russo reported that about 10% of the volatile organics had been removed to date. A member of the public asked what was defined as a recordable case. Provencher described how the Occupational Safety and Health Administration (OSHA) classifies recordable cases. A member of the public asked what the administration request was for new projects for the INEEL with Bill Leake, DOE, providing the information.

Issues of Continuing Interest to the CAB

The CAB identified a continuing interest in the following issues:

- Decontamination and demolition (D&D) of the Experimental Test Reactor (ETR) and Materials Test Reactor (MTR) at the Test Reactor Area (TRA) and the final reactor configuration
- Contract transition
- The Foster-Wheeler Project and possible design changes

INTRODUCTION TO THE NEW IDAHO NATIONAL LABORATORY CONTRACTOR

Beth Sellers (Manager, DOE-ID)

Ms. Sellers outlined the award of the contract to BEA and formation of the INL. Kipping said that the CAB had prepared a draft recommendation on the plutonium consolidation EIS and had not been informed that a recommendation was not desired by DOE. Provencher noted that DOE's intent was to exchange information on activities happening at Idaho, but that did not mean DOE was seeking a recommendation on the project. Sellers noted that as the boundaries are drawn between the nuclear energy mission and the clean-up mission, nuclear energy will be conducting its own public involvement activities. In response to a question, Sellers said that the CAB could be involved in nuclear energy activities if they impact Environmental Management.

Sellers introduced Art Clark, Deputy for Operations under the new INL contract, who presented the Battelle Energy Alliance (BEA) vision and priorities for the INL.

Questions, Discussion, and Action Items

Asking for a copy of the slide that had the figures on small business, a CAB member said that every new project should include plans for treating and disposing of generated waste. Mr. Clark replied that the challenge of nuclear energy in the future will be to get more energy out of the fuel so there is less waste. He recognized that solving the waste generation problem is key to public acceptance of nuclear energy.

SCOPE OF THE ENVIRONMENTAL IMPACT STATEMENT ON THE SPACE POWER SYSTEMS CONSOLIDATION PROPOSAL

Tim Frazier (DOE-HQ)

Mr. Frazier provided a presentation on the space power systems consolidation proposal and the evaluation being conducted of the project under the National Environmental Policy Act (NEPA). A CAB member asked about shipments of waste from this project to WIPP. Frazier replied that he believed the waste could go to WIPP. Frazier mentioned a letter that allowed Los Alamos to ship its plutonium 238 waste to WIPP because it was commingled with material that would be used for defense purposes. The draft EIS will assume the waste can go to WIPP. A CAB member asked what would be done to confirm whether the waste can go to WIPP before beginning the project. Frazier replied that he would contact DOE Carlsbad to get the issue resolved.

Bill Flanery (Chair, Potential Impacts of INEEL Mission on Cleanup Committee)

Mr. Flanery reviewed the draft recommendation. CAB members noted that while the recommendation was well written and researched, that in light of Sellers' presentation, it should be changed to a letter since it involved Nuclear Energy direction, and include information that the CAB had received at this meeting. The CAB felt it should comment on this issue because of the impact that nuclear energy work performed in Idaho will have on the State and its environment.

**CLEANUP AND CLOSURE OF THE RADIOACTIVE WASTE MANAGEMENT COMPLEX
David Kipping (Chair, Cleanup and Closure of the Radioactive Waste Management Complex Committee)**

Kipping reviewed the draft recommendation. There were no concerns about the recommendation from the CAB at this time.

PUBLIC PARTICIPATION

John Tanner said that under Site Manager John Wilczynski, the CAB was encouraged to address anything going on at the Site. Since the Site is now split between Nuclear Energy and Environmental Management activities and projects, he wondered if anyone had approached Nuclear Energy to see if they would like the involvement and input of the CAB.

FISCAL YEAR 2005 FUNDING FOR DOE-ID

Dave Newnam (DOE-ID)

Mr. Newnam provided a presentation summarizing the funding received by EM for 2005. In response to a question from a CAB member as to why DOE-Idaho was receiving more money for 2005 than in other years, he said that DOE had several planned and required activities that needed more funding this year.

Newnam clarified the source of funding for the various types of spent fuel and the national spent fuel program. The national spent fuel program remains under EM but the actual work will be done by the laboratory side. \$8 million will be transferred from EM to the laboratory for this program.

Dennis Faulk (U.S. EPA)

Faulk noted that it was good news for DOE to have full funding to get its work done this year.

**REBOUND STUDY FOR THE NEW PUMP AND TREAT FACILITY AT TEST AREA
NORTH**

Mark Shaw (DOE-ID)

Mr. Shaw provided a presentation on the plans for a rebound study for the New Pump and Treat Facility at Test Area North.

CAB Questions, Discussion, and Action Items

In response to a question from a CAB member as to how many sampling sites were located within the contamination plume, Shaw said that there were six or seven sample points. He noted that DOE is ready to start the test but will coordinate with DEQ and EPA before beginning.

Faulk commented that it is a good strategy to review the data as it is collected so that the system can be turned on if needed.

In response to a question from a member of the public as to how often DOE planned to sample, Shaw said that sampling would be conducted weekly at first, taper off to monthly sampling and finally, quarterly sampling.

INEEL CAB PROCEDURES

Ms. Corrigan presented proposed changes regarding the minutes and requested that presenters provide a brief summary for inclusion in the minutes. Detailed minutes are not required. Kipping noted that the CAB procedure for distributing the draft minutes to the entire CAB for review will be followed to give members an opportunity to make corrections. The CAB unanimously voted to amend the procedure to eliminate the step of requiring Provencher's signature. The CAB discussed and asked the Administrative Committee to review issues, including whether changes are needed to the chair and vice chair election process. The CAB also discussed its title once INEEL becomes INL. Whether a 4 p.m. session would increase public interaction was also discussed.

SCOPE OF THE ENVIRONMENTAL IMPACT STATEMENT ON THE SPACE POWER SYSTEMS CONSOLIDATION PROPOSAL (CONTINUED)

The CAB discussed changes made to make the recommendation a letter and approved the letter by consensus.

LETTER TO DOE REGARDING DISCUSSIONS WITH THE CHAMBER OF COMMERCE ABOUT PUBLIC INVOLVEMENT

John Bolliger explained the letter to DOE proposing to notify CAB members ahead of time about presentations or meetings taking place in their locale. The CAB approved the letter by consensus.

MEMBER AND COMMITTEE REPORTS

Ann Nichols (Chair, Balance of Cleanup Committee)

Nichols summarized what had been done at the November meeting regarding reactor decommissioning and that the committee would like a presentation at the May meeting on the steps and processes involved in reactor decommissioning.

ALTERNATIVES TO INCINERATION PROJECT PLAN

David Kipping (Chair, Cleanup and Closure of the Radioactive Waste Management Complex Committee)

Kipping presented the draft recommendation. A CAB member asked why the recommendation was needed. Members discussed the fact that more public involvement is desired for the plan and that more technology alternatives should be evaluated.

ENGINEERING EVALUATION/COST ANALYSIS FOR PHASE 1 OF THE DECOMMISSIONING FOR THE POWER BURST FACILITY REACTOR BUILDING

Lisa Green (DOE-ID)

Ms. Green presented the Engineering Evaluation/Cost Analysis (EE/CA) for Phase 1 of the Decommissioning for the Power Burst Facility (PBF) Reactor Building and said that DOE is ultimately responsible for the work and its completion and will ensure that the work meets quality criteria and schedules for completion. In response to a question from a CAB member about the disposition of niobium found in the inpile tube in the reactor, she said that because it had not been anticipated that niobium would be widely found at the site, it had not been considered when the waste acceptance criteria for the INEEL CERCLA Disposal Facility (ICDF) was formed. Further coordination with the regulators will be needed in order to send the niobium to ICDF.

Dennis Faulk (U.S. EPA)

Faulk noted that DOE's initial proposal was not well received by the regulatory agencies. The first proposal was to leave the reactor in place. EPA felt this was a public policy issue that needed more dialogue. He noted the CAB's preference for sending waste off site if it can be done and commented that his view of use of ICDF has changed over the last year.

Ann Nichols (Chair, Balance of Cleanup Committee)

Nichols summarized the draft recommendation that had been prepared on the EE/CA for PBF. The CAB discussed whether continuity of work was still a concern of the committee after hearing the presentation from Green. CAB members discussed the plans for disposition of waste streams. A CAB member identified suggested changes to the draft recommendation.

PUBLIC PARTICIPATION

Beatrice Brailsford, Snake River Alliance, asked the CAB to clarify its new practice of allowing questions from the public following presentations. The CAB Chair said that the intent was to seek public comment on issues that the CAB thought might be of interest to the public, and the Facilitator noted that the CAB welcomed public comment. She said questions from the public should be submitted in writing.

**Idaho National Engineering and Environmental Laboratory
Citizens Advisory Board
Summary Meeting Minutes
Wednesday, January 19, 2005**

**PERFORMANCE ASSESSMENT FOR LOW-LEVEL WASTE DISPOSAL AT THE
RADIOACTIVE WASTE MANAGEMENT COMPLEX**

Bob Stump (DOE-ID)

Following Mr. Stump's performance assessment presentation, a CAB member asked why the low level waste disposal facility would cease operation in 2009¹. Stump said that Environmental Management planned to be out of the business of low level waste disposal by 2009. A CAB member noted that low level waste disposal would be needed after 2009, and asked who would assume this responsibility. Provencher replied that it would be the responsibility of the new INL contractor. Alternatives to on-site disposal are being reviewed as well, and one goal is to transition to off-site disposal after 2009. In response to a question from the public, Stump said that DOE was not planning to change the concentration limit of 10 nanocuries per gram. Asked further if DOE was planning to change radionuclide concentrations, Stump replied that DOE has not yet decided if changes to the waste acceptance criteria are needed.

Kathleen Trever (State of Idaho)

Ms. Trever said that DOE continues to dispose of waste in an area of the site that is undergoing cleanup and that it is important to align on-going disposal operations with closure.

Dennis Faulk (U.S. EPA)

Faulk noted that it was good from the cleanup standpoint to align closure of the low level waste disposal facility with cleanup of the Radioactive Waste Management Complex (RWMC). Disposal capacity will be required, but disposal in unlined pits is likely not acceptable.

CAB Questions, Answers, and Action Items

In response to a CAB member's question as to whether the settlement agreement had specifics about generation of new waste and disposal at INEEL, Trever said that the settlement agreement focused on high level and transuranic waste. The State does not have authority to regulate low level waste if it is just radioactive, she said.

END STATE VISION FOR THE INEEL

Bill Leake (DOE-ID)

Leake presented the status of the effort to establish an end state vision for the INEEL and explained the role of CRESPI in the end state vision. Trever noted that the National Academy of Science is also studying these issues and asked how the efforts related to each other. Chuck Powers, CRESPI, said that the National Academy of Science was looking at the issues from a nationwide perspective while the CRESPI effort was focused on INEEL. Faulk pointed out the significance of DOE's recent commitment to follow the cleanup laws while setting out the end state vision. To a question from the public about what the CRESPI analysis would cover, Leake said CRESPI would look at various alternatives for the buried waste and calcine, and the risk and costs associated with each alternative. In response to a question from the public as to how the schedule for end states vision meshed with the cleanup schedule, Leake said that cleanup would be pursued on schedule.

¹ See Errata Paper, Attachment D.

WELCOME TO NEW MEMBER PAUL FAULKNER

The CAB introduced themselves and welcomed new member Paul Faulkner who described his background and current employment with Idaho Fish and Game and Air Force Reserves.

ALTERNATIVES TO INCINERATION PROJECT PLAN (CONTINUED)

Finalization of recommendation

The CAB discussed the recommendation, the committee reconvened and made some changes to the recommendation, and it was approved by consensus.

ACCELERATED RETRIEVAL PROJECT

Jeff Perry (DOE-ID)

Following Jeff Perry's Engineering Evaluation and Cost Analysis presentation, CAB members asked him about the disposition of the overburden that is placed into sacks and the validation of records. Perry clarified how overburden and non-targeted wastes would be managed and said that DOE would be validating disposal records and evaluating against retrieved waste.

Kathleen Trever (State of Idaho)

Trever noted that estimates of waste in the Pits are based on shipping records and information about the actual waste will not be known until it is excavated.

Dennis Faulk (U.S. EPA)

Faulk is looking forward to proceeding with the cleanup. The next steps of the project will be addressing the volatile organic compounds.

CAB Questions, Answers, and Action Items

To a question by David McCoy of the public about measurement of fugitive emissions, Perry responded that there are stack monitors and continuous air monitors in the facility. The CAB discussed the distinction between targeted and non-targeted waste and whether the non-targeted waste should be put back. Faulk noted that the non-targeted waste is going to be sampled before it is put back and Trever noted that it is acceptable to leave some contaminated material behind.

CAB reactions to and concerns about the Draft Engineering Evaluation and Cost Analysis for the Accelerated Retrieval Project

The CAB identified issues for the committee to keep in mind as they develop a recommendation:

- How big should the retrieval area be?
- What is found should be followed as records are compared.
- How much non-targeted waste is there and what is it?
- What is occurring with worker safety and worker exposure. What is happening now and what are the implications for the long term?
- Where should non-targeted waste go – back in the pit or somewhere else?
- What is the bag material?
- The comment period should be extended to March 15 so the CAB can comment.

PUBLIC PARTICIPATION

1. David McCoy said that the CAB should look at the impact of the nuclear energy mission on waste and clean-up and questioned what the environmental effects would be on the community and the workers. He hopes the CAB will study the consolidation EIS and believes the EIS should look at everything that is planned to be sent into Idaho. He questioned how much neptunium will be needed in the future and how it will be produced.
2. John Tanner, Coalition 21, commented that the Pit 4 project is being pursued in a sensible manner, and he hopes this will continue. He commented on the alternatives to incineration and was pleased to hear that incineration will be compared to the other alternatives.

3. Beatrice Brailsford, Snake River Alliance, commented on her appreciation for Mr. Faulk's expression of sensitivity to issues important to Idaho citizens. Regarding the end state vision, she regrets that it took so long for DOE to realize that its previous plans were not going to work. She is concerned that DOE may try to change laws, as it changed the Nuclear Waste Policy Act.

CLEANUP AND CLOSURE OF THE RADIOACTIVE WASTE MANAGEMENT COMPLEX (CONTINUED)

Finalization of recommendation

The CAB reviewed and discussed the recommendation, made changes and approved by consensus.

STATUS OF TANK FARM CLOSURE AND THE NEW LEGISLATION REGARDING CLASSIFICATION OF TANK WASTES

Keith Lockie (DOE-ID)

Mr. Lockie presented the status of tank farm closure activities. When asked by a CAB member what DOE's plans were for involving the public, he said that there was discussion of public review periods during or after the review to be conducted by the NRC.

Kathleen Trever (State of Idaho)

Trever addressed the points that Mr. Lockie had raised. She handed out copies of the rules from the Code of Federal Regulations (CFR) that address facilities for low level waste and low level waste disposal. The NRC classifies waste as Class A, B and C, with Class C requiring the most precautions. The NRC does allow for averaging of radionuclide concentrations over a volume of waste. The State of Idaho will be seeking public involvement on the classification scheme.

CAB Questions, Answers, and Action Items

A CAB member noted that the NRC standards did not make sense as doses to organs could be higher than a whole body dose. It was explained that NRC's standards are not up-to-date, and that dose to organs, such as the thyroid, are not factored in any more. EPA commented that it identifies risk instead of dose. A CAB member asked about classification of the sodium bearing waste. Ms. Trever noted that the sodium bearing waste would be considered either transuranic or high level waste. It would not be considered low level waste.

Public Questions and Answers

A member of the public asked whether the waste in the tanks would be considered Class C waste or greater than Class C waste and whether the grouting would render the waste Class C. Lockie commented that the determination of waste is based upon the final waste form. Some credit can be claimed for stabilizing the waste, and the latest data indicates that concentrations are below Class C for the stabilized waste form. Sodium bearing waste, not the residuals, is now considered transuranic waste under DOE's classification, he said.

TANK CLOSURE PUBLIC INFORMATION NEEDS AND PUBLIC CONCERNS

The CAB members provided their thoughts on these issues:

- It is not clear how interested the public is in these matters.
- Due to the lawsuit, it is difficult for DOE to know what it can talk about.
- DOE should move forward once it has the answers and not worry about people not paying attention to the issues. The importance is to reach out to the public.
- The key issue is whether waste should be left in the tanks for the long term. The issue needs to be put into terms understandable to the public. The alternatives and the associated hazards should be fully explained.

- A CAB member questioned the level of understanding of the public about the lawsuit, the legislation and remaining issues. A way should be found to put out issue information.
- The public likes simple concepts and these issues are not simple. People will not care until there is a crisis so long as they trust DOE. The CAB can help build transparency into the decision-making process and this will help DOE.
- There should be a means of easy access to information on the web about these issues. This is how young people access information.
- There may be a lot of interest at first but if DOE does not provide feedback and address concerns, people lose their interest.
- The CAB recognizes that the sodium bearing waste will somehow go away, but until there is a clear path forward, questions will remain. Questions include: will more waste be left behind? Will the standards need to be changed? Will the grouting be effective, and how will the legal decisions be made?
- It is difficult to go anywhere with this issue until a decision has been made about how the waste will be handled.
- The process is so slow it is hard to maintain interest and momentum.

PUBLIC PARTICIPATION

1. John Tanner, Coalition 21, commented that it would not be objectionable to him if the radionuclide concentration in the waste was averaged over the grout. He noted that once the waste was stabilized, it would take a lot of leaching for it to reach the aquifer.
2. Dave McCoy commented that he has received information questioning the viability of the grout. The grout should be evaluated before it is put in the tanks and can't be retrieved. There is a question of how much waste will be brought into the site from new programs.
3. Chuck Rice, former CAB member and Chair, commented on a recommendation the CAB had made some 8 or 9 years ago on the issue of the tank waste. It addressed safety concerns and other concerns. The CAB recommendation at the time was that the tanks be grouted was the best solution. He commented that the CAB may be interested in reviewing this recommendation and feels grouting is best from a monetary and safety standpoint.
4. Beatrice Brailsford, Snake River Alliance, said that the topic of the tank waste could be the subject of a workshop where people planned to spend a number of hours on the subject. Joint meetings involving the State and DOE could be held to look at the environmental, policy and legal implications.

ENGINEERING EVALUATION/COST ANALYSIS FOR PHASE 1 OF THE DECOMMISSIONING FOR THE POWER BURST FACILITY REACTOR BUILDING (CONTINUED)

Nichols noted the changes that had been made to the recommendation. The CAB discussed and approved the recommendation by consensus.

BOARD WORK

Topics of Discussion at the March 2005 meeting

The CAB reviewed a preliminary agenda for the March 2005 meeting and added possible amendments to the CAB procedures. A CAB member suggested that the CAB have a workshop on recommendation writing and that a better system for generating recommendations may be needed. The CAB discussed whether all of the recommendations considered at this meeting were needed. A CAB member suggested that a statement as to why it is necessary should accompany each recommendation.

The CAB discussed and identified the items that could be dropped from the March agenda to allow more time to discuss recommendations.

Next Steps and Action Items

The administrative committee will discuss whether a draft of the recommendations should be considered by the ex officio members.

Meeting Evaluation for the January 2005 Meeting

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Line numbering of recommendations	Minutes are too long.
Public Q&A	Colored cover sheets for recommendations
Meeting room has more space	Pre-meeting assignments and recommendations numbered
New members' participation	Agenda finalized too late
Presentations were good, especially Tim Frazier's	Recommendation process needs improvement — consider criteria for recommendations
Rick Provencher's presentation and Frank Russo's participation	
Bob Stump was a good presenter	
The pictures Rick handed around were very useful	

Next Meeting

The next meeting of the Idaho National Engineering and Environmental Laboratory (INEEL) Citizens Advisory Board (CAB) will be March 15-16, 2005, at the Willard Arts Center in Idaho Falls, Idaho. The meeting will be from 8 a.m. to 6 p.m. Tuesday, March 15, 2005 and from 8 a.m. to 5 p.m. Wednesday, March 16, 2005. The CAB will receive comments from the public at various times throughout the meeting as indicated on the final meeting agenda.



LIST OF ATTACHMENTS

Attachments are included at the end of the minutes

- Attachment A January 2005 Final INEEL CAB Meeting Agenda
- Attachment B INEEL CAB Meeting Attendance
- Attachment C Public Attendance
- Attachment D Errata Paper Clarifying DOE’s Intentions Regarding
Future Use of the Radioactive Waste Management
Complex (RWMC) Low-Level Waste Disposal Pits

LIST OF EXHIBITS

Exhibits and handouts are not included in the minutes, but are available upon request by calling the INEEL CAB Support Staff at (208) 557-7886.

- Exhibit 1 INEEL Citizens Advisory Board Update
- Exhibit 2 The Fiscal Year 2005 Budget
- Exhibit 3 Medial Zone Rebound Test at OU 1-07b, Test Area North
- Exhibit 4 Performance Assessment for Low-Level Waste Disposal at the RWMC
- Exhibit 5 Paul M. Golan Letter dates November 5, 2004, regarding
Summary of Chicago End States Next Steps Workshop
- Exhibit 6 Accelerated Retrieval Project Update
- Exhibit 7 Status of Tank Farm Closure

LIST OF HANDOUTS

- Handout 1 E-Mail from Dr. Peter Rickards (4th Memorandum to Renew Motion
for Leave to Participate as *Amicus Curiae* by Citizen Dr. Peter Rickards)



ATTACHMENT A
January 2005 Final Agenda

Idaho National Engineering and Environmental Laboratory
Citizen Advisory Board
FINAL AGENDA FOR THE JANUARY 2005 MEETING

The following signatures indicate final approval for the agenda for the January 2005 meeting of the Idaho National Engineering and Environmental Laboratory Citizens Advisory Board.

All requests for changes after the final agenda has been signed must be approved by both the INEEL CAB Chair and the Deputy Designated Federal Official.

Requests for changes to the agenda should be directed to the CAB's Facilitator, Wendy Lowe by calling (208) 522-1662, ext. 3012, or via email to wlowe@jason.com.

David Kipping

David Kipping
Chair, INEEL CAB

*Final CAB Agenda
approval*

*David Kipping
19 Jan 2005*

Rick Provencher * w/Comment
Rick Provencher
Deputy Designated Federal Official

* see page 3.

Final CAB Agenda approved: *Rick Provencher*
1/19/05

**Idaho National Engineering and Environmental Laboratory
Citizens Advisory Board
FINAL AGENDA FOR THE JANUARY 2005 MEETING**

Meeting Location

Red Lion Hotel on the Falls
475 River Parkway
Idaho Falls, Idaho

Meeting Dates and Times (times approximate)

Tuesday, January 18, 2005 from 8:00 A.M. to 6:00 P.M. with a lunch break from 12:30 P.M. to 1:30 P.M.
Wednesday, January 19, 2005 from 8:00 A.M. to 5:00 P.M. with a lunch break from 12:15 P.M. to 1:15 P.M.

Opportunities for Public Participation (times approximate)

Tuesday, January 18, 2005 from 12:15 P.M. to 12:30 P.M. and 5:30 P.M. to 5:45 P.M.
Wednesday, January 19, 2005 from 11:20 A.M. to 11:35 A.M. and 3:25 P.M. to 3:40 P.M.

Meeting Objectives

The January 2005 meeting of the Idaho National Engineering and Environmental Laboratory Citizens Advisory Board will be designed to achieve the following objectives:

- > Receive presentations and develop consensus recommendations addressing the following topics:
 - The scope of the Environmental Impact Statement for the Space Power Systems Consolidation Proposal
 - The Engineering Evaluation/Cost Analysis for Phase 1 of the Decommissioning for the Power Burst Facility Reactor Building
- > Develop consensus recommendations addressing the following topics:
 - Cleanup and closure of the Radioactive Waste Management Complex
 - The Alternatives to Incineration Project Plan
- > Receive a presentation addressing the status of tank closure at the Tank Farm and the new legislation regarding classification of tank wastes, followed by CAB discussion of public concerns and information needs
- > Receive presentations addressing the following topics:
 - The status of the Environmental Management Program addressing items of potential interest to the CAB and status of the procurement for the new site contractor
 - The Fiscal Year 2005 Budget allocation for the Idaho National Engineering and Environmental Laboratory
 - The Performance Assessment for low-level waste disposal at the Radioactive Waste Management Complex
 - The End State Vision for the INEEL
 - The Draft Engineering Evaluation and Cost Analysis for the Accelerated Retrieval Project
 - The Proposed Rebound Study for the New Pump and Treat Facility at Test Area North
- > Receive an introduction to the new Idaho National Laboratory contractor
- > Discuss and finalize:
 - Amendments to the CAB Procedures
 - A letter to DOE regarding discussions with the Chamber of Commerce Science and Technology Committee regarding a shared interest in public participation
 - A letter to DOE regarding the upcoming procurement for support services for the CAB

**Idaho National Engineering and Environmental Laboratory
Citizens Advisory Board
Final Agenda for Tuesday, January 18, 2005**

Welcome and Introductions	8:00 AM - 8:45 AM
David Kipping (INEEL CAB Chair) Opening remarks	8:00 AM - 8:15 AM
Rick Provencher (Deputy Designated Federal Official) Opening remarks	8:15 AM - 8:25 AM
Kathleen Trever (State of Idaho) Opening remarks	8:25 AM - 8:30 AM
Nick Ceto (U.S. Environmental Protection Agency) Opening remarks	8:30 AM - 8:35 AM
Frank Russo (INEEL Liaison) Opening remarks	8:35 AM - 8:40 AM
Wendy Green Lowe (Facilitator) Meeting orientation	8:40 AM - 8:45 AM
Member and Committee Reports	8:45 AM - 9:00 AM
Doc DeTonancour, Report on recent national stakeholder meeting on legacy management	8:45 AM - 8:50 AM
Larry Knight (Chair, Cleanup and Closure of the Idaho Nuclear Technology and Engineering Center Committee) Report on committee's review of DOE's response to CAB recommendation #116 addressing the Draft Engineering Evaluation and Cost Analysis for the CPP-603A Basin	8:50 AM - 8:55 AM
Ann Nichols (Chair, Balance of Cleanup Committee) Report on Committee discussion of the radiation fact sheets prepared for the CAB	8:55 AM - 9:00 AM
Break	9:00 AM - 9:15 AM
Environmental Management Program Status and Items of Potential Interest to the INEEL CAB	9:15 AM - 10:20 AM
Rick Provencher (DOE-ID) Presentation	9:15 AM - 9:45 AM
Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives	9:45 AM - 9:55 AM
CAB questions and answers	9:55 AM - 10:05 AM
Public questions and answers	10:05 AM - 10:10 AM
Facilitated sounding board of issues of continuing interest to the CAB	10:10 AM - 10:20 AM
Introduction to the New Idaho National Laboratory Contractor	10:20 AM - 10:45 AM
Beth Sellers (DOE-ID Manager) Presentation	10:20 AM - 10:35 AM
Questions and answers	10:35 AM - 10:45 AM
Break	10:45 AM - 11:00 AM

Scope of the Environmental Impact Statement on the Space Power Systems Consolidation Proposal 11:00 AM - 12:00 PM

Timothy Frazier (DOE-HQ) Presentation 11:00 AM - 11:30 AM

Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives 11:30 AM - 11:35 AM

CAB questions and answers 11:35 AM - 11:45 AM

* Bill Flanery (Chair, Potential Impacts of INEEL Mission on Cleanup Committee) Review recommendation drafted by the Committee 11:45 AM - 11:50 AM

* Facilitated discussion of CAB questions about and reactions to the draft recommendation 11:50 AM - 12:00 PM

Cleanup and Closure of the Radioactive Waste Management Complex 12:00 PM - 12:15 PM

David Kipping (Chair, Cleanup and Closure of the Radioactive Waste Management Complex Committee) Review recommendation drafted by the Committee 12:00 PM - 12:05 PM

Facilitated discussion of CAB questions about and reactions to the draft recommendation 12:05 PM - 12:15 PM

Public Participation 12:15 PM - 12:30 PM

David Kipping (INEEL CAB Chair) Invite public comment on issues under consideration

Lunch 12:30 PM - 1:30 PM

Fiscal Year 2005 Funding for DOE-ID 1:30 PM - 2:10 PM

Dave Newnam (DOE-ID) Presentation 1:30 PM - 2:00 PM

Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives 2:00 PM - 2:05 PM

CAB questions and answers 2:05 PM - 2:10 PM

Rebound Study for the New Pump and Treat Facility at Test Area North 2:10 PM - 2:30 PM

Mark Shaw (DOE-ID) Presentation 2:10 PM - 2:25 PM

CAB questions and answers 2:25 PM - 2:30 PM

INEEL CAB Procedures 2:30 PM - 2:45 PM

Facilitated discussion of proposed amendments to the CAB's Procedures

Break 2:45 PM - 3:00 PM

Scope of the Environmental Impact Statement on the Space Power Systems Consolidation Proposal (continued) 3:00 PM - 3:40 PM

* Facilitated discussion and finalization of recommendation

3:40 PM - 3:55 PM

Letter to DOE Regarding Discussions with the Chamber of Commerce about Public Involvement

Facilitated discussion and finalization of letter

Since Pu-238 is not an EM activity, a recommendation from the CAB is neither requested nor expected. Comments on the NEPA scoping process can be provided to NE.
Final Agenda for the January, 2005 Meeting, as of 1/10/2005
Please note that the CAB's agenda is always subject to change

Member and Committee Reports (continued)**3:55 PM - 4:05 PM**

Ann Nichols (Chair, Balance of Cleanup Committee) Report on Committee's decision related to public concerns about reactor decommissioning

3:55 PM - 4:00 PM

Karen Corrigan and Ken Erickson (Co Chairs, Administrative Committee) Report on discussion about hosting evening sessions for the public

4:00 PM - 4:05 PM

Alternatives to Incineration Project Plan**4:05 PM - 4:20 PM**

David Kipping (Chair, Cleanup and Closure of the Radioactive Waste Management Complex Committee) Review recommendation drafted by the Committee

4:05 PM - 4:10 PM

Facilitated discussion of CAB questions about and reactions to the draft recommendation

4:10 PM - 4:20 PM

Break**4:20 PM - 4:35 PM****Engineering Evaluation/Cost Analysis for Phase 1 of the Decommissioning for the Power Burst Facility Reactor Building****4:35 PM - 5:30 PM**

Lisa Green (DOE-ID) Presentation

4:35 PM - 5:00 PM

Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives

5:00 PM - 5:05 PM

CAB questions and answers

5:05 PM - 5:15 PM

Ann Nichols (Chair, Balance of Cleanup Committee) Review recommendation drafted by the Committee

5:15 PM - 5:20 PM

Facilitated discussion of CAB questions about and reactions to the draft recommendation

5:20 PM - 5:30 PM

Public Participation**5:30 PM - 5:45 PM**

David Kipping (INEEL CAB Chair) Invite public comment on issues under consideration

Letter to DOE regarding Procurement of Contractor to Provide CAB Support Services**5:45 PM - 6:00 PM**

Discussion and finalization of draft letter (led by Annemarie Goldstein)

**Idaho National Engineering and Environmental Laboratory
Citizens Advisory Board
Final Agenda for Wednesday, January 19, 2005**

Performance Assessment for Low-Level Waste Disposal at the Radioactive Waste Management Complex	8:00 AM - 8:30 AM
Bob Stump (DOE-ID) Presentation	8:00 AM - 8:20 AM
Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives	8:20 AM - 8:25 AM
CAB questions and answers	8:25 AM - 8:30 AM
End State Vision for the INEEL	8:30 AM - 8:55 AM
Bill Leake (DOE-ID) Presentation	8:30 AM - 8:45 AM
CAB questions and answers	8:45 AM - 8:55 AM
Welcome to New Member Paul Faulkner	8:55 AM - 9:10 AM
Facilitated discussion	8:55 AM - 9:10 AM
Break	9:10 AM - 9:25 AM
Alternatives to Incineration Project Plan (continued)	9:25 AM - 10:05 AM
Facilitated discussion and finalization of recommendation	
Engineering Evaluation and Cost Analysis for the Accelerated Retrieval Project	10:05 AM - 11:05 AM
Jeff Perry (DOE-ID) Presentation	10:05 AM - 10:35 AM
Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental Protection Agency) Agency perspectives	10:35 AM - 10:45 AM
CAB questions and answers	10:45 AM - 10:55 AM
Facilitated discussion of CAB reactions to and concerns about the Draft Engineering Evaluation and Cost Analysis for the Accelerated Retrieval Project	10:55 AM - 11:05 AM
Break	11:05 AM - 11:20 AM
Public Participation	11:20 AM - 11:35 AM
David Kipping (INEEL CAB Chair) Invite public comment on issues under consideration	
Cleanup and Closure of the Radioactive Waste Management Complex (continued)	11:35 AM - 12:15 PM
Facilitated discussion and finalization of recommendation	
Lunch	12:15 PM - 1:15 PM

**Status of Tank Farm Closure and New Legislation regarding
Classification of Tank Wastes**

1:15 PM - 2:40 PM

Keith Lockie (DOE-ID) Presentation

1:15 PM - 2:15 PM

Kathleen Trever (State of Idaho) and Nick Ceto (U.S. Environmental
Protection Agency) Agency perspectives

2:15 PM - 2:25 PM

CAB questions and answers

2:25 PM - 2:35 PM

Public questions and answers

2:35 PM - 2:40 PM

Break

2:40 PM - 2:55 PM

**Public Information Needs and Public Concerns Related to Tank
Closure**

2:55 PM - 3:25 PM

Facilitated discussion

Public Participation

3:25 PM - 3:40 PM

David Kipping (INEEL CAB Chair) Invite public comment on issues under
consideration

**Engineering Evaluation/Cost Analysis for Phase 1 of the
Decommissioning for the Power Burst Facility Reactor Building
(continued)**

3:40 PM - 4:20 PM

Facilitated discussion and finalization of recommendation

Board Work

4:20 PM - 5:00 PM

Status of efforts under the INEEL CAB's Annual Work Plan

4:20 PM - 4:25 PM

Topics for discussion at the March 2005 meeting

4:25 PM - 4:35 PM

Committee schedule

4:35 PM - 4:40 PM

Next steps and action items

4:40 PM - 4:45 PM

Meeting evaluation for the January 2005 meeting

4:45 PM - 4:55 PM

Success stories

4:55 PM - 5:00 PM



ATTACHMENT B

INEEL CAB Meeting Attendance

	Tuesday January 18, 2005				Wednesday January 19, 2005			
	Time In	Time Out	Time In	Time Out	Time In	Time Out	Time In	Time Out
INEEL CAB Members								
David Kipping (Chair)	7:30	12:15	1:30	6:00		12:30	1:30	5:30
Lawrence Knight (Vice Chair)	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Seth Beal	8:20	12:15	1:30	6:00	8:00	12:30	1:30	5:30
John Bolliger	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Richard Buxton	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Karen Corrigan	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
D.H. DeTonancour	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Georgia Dixon	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Kenneth Erickson	8:00	12:15	1:30	6:00	7:45	12:30	1:30	5:30
Paul Faulkner	ABSENT				8:00	12:30	1:30	5:30
William Flanery	8:00	12:15	1:30	6:00	7:55	12:30	1:30	5:30
Lila Gold	ABSENT		1:00	6:00	8:15	12:30	1:30	5:30
Annemarie Goldstein	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Ann Nichols	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Willie Preacher	8:00	12:15	1:30	5:05	7:59	12:30	1:30	5:30
State of Idaho/EPA								
Kathleen Trever, State	ABSENT				8:00	12:30	1:30	3:50
Rick Denning, State	8:00	12:15	1:30	6:00	7:45			
Dennis Faulk, U.S. EPA	8:00	12:15	1:30	6:00	7:50	12:30	1:30	3:50
DOE-ID Representatives								
Rick Provencher, DOE-ID	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Shannon Brennan, DOE-ID	8:00	12:15	1:30	6:00	7:00	12:30	1:30	5:30
Bill Leake, DOE-ID	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
INEEL Liaison								
Frank Russo	8:00	12:15	1:30	6:00	8:00	12:30	1:30	5:30
Carol Mascareñas								

ATTACHMENT C

Members of the Public in Attendance January 18-19, 2005

January 18, 2005

Erik Simpson, BBWI
John McFee, Shaw E&I
Jim Thiesing, Jacobs
Joseph Campbell, BBWI
Lisa Green, DOE-ID
Ralph Reeves
Hopi Salomon, Washington Group International
Beatrice Brailsford, Snake River Alliance
Ann Riedesel, BNFL, Inc.
Kliss McNeel, BBWI
Kathleen O'Neil, Post Register
Alan Jines, DOE-ID
Mark Shaw, DOE-ID
Margie English, IDEQ
Bob Peel, URS Corp.
Wendy Dixon, NR/IBO

January 19, 2005

Rick Denning, State of Idaho
Beatrice Brailsford, Snake River Alliance
Dave McCoy
John McFee, Shaw E&I
Steve Telford
Mark K. Clough, DEQ
Marilyn Paarmann, CH2MHILL
Hopi Salomon, Washington Group International
Joel Case, DOE-ID
Keith Quigley
Mike Heiser, BBWI
Kathy Falconer, Framatone

ATTACHMENT D

Errata Paper Clarifying DOE's Intentions Regarding Future Use of the Radioactive Waste Management Complex (RWMC) Low-Level Waste Disposal Pits

2/15/05

ERRATA PAPER CLARIFYING DOE'S INTENTIONS REGARDING FUTURE USE OF THE RADIOACTIVE WASTE MANAGEMENT COMPLEX (RWMC) LOW-LEVEL WASTE (LLW) DISPOSAL PITS

The purpose of this errata paper is to provide clarification on the information presented and the questions/answers discussed on this topic at the January Citizen's Advisory Board meeting regarding the future use of the Radioactive Waste Management Complex (RWMC) Low Level Waste (LLW) disposal facility. First, DOE pointed out that the LLW disposal operations at the RWMC were to close at the end of fiscal year 2009. This statement was, in fact, in error since it was not consistent with language included in the final ICP request for proposals.

The Idaho Cleanup Project (ICP) Request for Proposal (RFP) states:

"Although the EM Performance Management Plan for Accelerating Cleanup of the Idaho National Engineering and Environmental Laboratory indicates that the SDA will remain open only until 2009, the contractor may keep the active disposal pit open until it reaches full capacity....If, during the contract term, the active disposal pit capacity is reached or the pit must be closed for any reason, such as implementation of the ROD for WAG 7, the contractor shall close the active disposal pit and dispose of on-site EM-generated CH and RH LLW at an appropriate disposal facility...."

Even though the pit may be utilized for cleanup material during execution of the ICP contract, DOE is encouraging other site users to find alternative disposal capacity (off-site). This is included in the INL Contract as follows:

"The existing low-level waste (LLW) disposal capability at the Radioactive Waste Management Complex will be available to the INL Contractor through FY 2008 for contact-handled LLW, and FY 2009 for remote-handled LLW....The INL Contractor shall attain an alternate disposal capacity (off-site) and have this disposal capacity on-line by October 1, 2008 for contact-handled LLW, and by October 1, 2009 for remote-handled LLW...."

Thus, the ICP RFP does not preclude the option of keeping the RWMC LLW pit open beyond the date identified in the presentation and discussion, and operated until filled.

Regarding DOE's statement about the amount of LLW that may be disposed in the active pits. DOE stated that less material would be disposed, since it was closing earlier than currently analyzed in the Performance Assessment. This statement was based on what the EM PMP and INL Contract states and did not factor in the ICP RFP statement. Therefore, since the ICP RFP does not preclude the contractor from operating the pit beyond the 2008 and 2009 dates, the volume of material to be disposed could be essentially the same as currently analyzed in the Performance Assessment.