

Oak Ridge Site Specific Advisory Board Monthly Meeting



Wednesday, November 14, 2012

6 p.m., DOE Information Center
1 Science.gov Way
Oak Ridge, Tennessee

The mission of the Environmental Management (EM) Site Specific Advisory Board (the Board) at Oak Ridge, Tennessee is to provide meaningful opportunities for collaborative dialogue among the diverse multicultural communities surrounding the Oak Ridge Reservation, EM, and the U.S. Department of Energy (DOE) Oak Ridge Office (ORO). The Board is chartered under the EM Site Specific Advisory Board Charter. At the request of the Assistant Secretary, the ORO Manager, or the ORO EM Manager, the Board may provide informed advice and recommendations concerning the following EM site-specific issues: cleanup standards and environmental restoration, waste management and disposition, stabilization and disposition of non-stockpile nuclear materials, excess facilities, future land use and long-term stewardship, risk assessment and management, and cleanup science and technology activities. The Board may also be asked to provide advice and recommendations on any other EM project or issue. The Board ensures early, ongoing community access to information (and its interpretation and implications) and dialogue that improves the quality of the decision-making process of EM and ORO.

CONTENTS

AGENDA

PRESENTATION MATERIALS –Accumulated Legacy Waste & Material Disposition Activity
(to be distributed at meeting)

CALENDARS

1. November
2. December (*draft*)

BOARD MINUTES/RECOMMENDATIONS & MOTIONS

1. October 10, 2012 draft meeting minutes
2. EM SSAB Chairs Recommendation on the Waste Isolation Pilot Plant
3. EM SSAB Chairs Recommendation on DOE High-Level Waste
4. EM SSAB Chairs Recommendation on Funding for Technology Research and Development
5. EM SSAB Chairs Recommendation on Recycling

REPORTS & MEMOS

1. Recommendation Tracking Chart
2. EM Project Update September/October
3. Abbreviation/Acronym List for EM Project Update
4. Trip Report: Dave Hemelright, EM SSAB Chairs Meeting
5. Trip Report: David Martin, EM SSAB Chairs Meeting
6. Trip Report: Greg Paulus, EM SSAB Chairs Meeting
7. Trip Report: Spencer Gross, EM SSAB Chairs Meeting
8. FY 2013 ORSSAB Work Plan
9. FY 2013 Travel Opportunities



Oak Ridge Site Specific Advisory Board
Wednesday, November 14, 2012, 6:00 p.m.
DOE Information Center
1 Science.gov Way, Oak Ridge, Tenn.

AGENDA

- I. Welcome and Announcements (D. Martin) 6:00–6:05
 - A. Next Meeting: Wednesday, January 9, 6:00 p.m., DOE Information Center
Presentation Topic: Environmental Management Portfolio Plans
- II. Comments from the Deputy Designated Federal Officer, and the DOE, EPA, and TDEC
Liaisons (S. Cange, D. Adler, C. Jones, J. Owsley)..... 6:05–6:20
- III. Public Comment Period (R. Landenberger)..... 6:20–6:30
- IV. Presentation: Accumulated Legacy Waste & Material Disposition Activity (J. Sager)..... 6:30–7:05
Question and Answer Period 7:05–7:20
- BREAK..... 7:20–7:30
- V. Additions/Approval of Agenda..... 7:30
- VI. Motions 7:30–7:35
 - A. October 10, 2012, Meeting Minutes (C. Jensen)
 - B. EM SSAB Chairs Recommendations (D. Martin)
 - 1. Waste Isolation Pilot Plant
 - 2. DOE High-Level Waste
 - 3. Funding for Technology Research and Development
 - 4. Recycling
- VII. Responses to Recommendations & Comments (D. Adler)..... 7:35–7:40
- VIII. Committee Reports..... 7:40–7:50
 - A. Board Finance & Process (G. Paulus)
 - B. Environmental Management (B. Hatcher)
 - C. Public Outreach (S. McKinney)
 - D. Stewardship (C. Staley)
 - E. Executive (D. Martin)
 - 1. COROH Report (C. Staley)
- IX. Federal Coordinator’s Report (M. Noe) 7:50–7:55
- X. Additions to Agenda 7:55–8:00
- XI. Adjourn 8:00



Oak Ridge Site Specific Advisory Board

November 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12 Veterans Day Holiday observed DOE/Staff holiday	13	14 Monthly SSAB Meeting 6 p.m.	15	16	17
18	19	20 Stewardship Committee 5:30 p.m.	21	22 Thanksgiving DOE/staff holiday	23	24
25	26	27 Public Outreach Committee 5:30 p.m. teleconference	28 EM Committee 5:30 p.m.	29 Board Finance & Process Committee 5 p.m. Executive Committee 5:30 p.m.	30	

All Meetings will be held at the Office of Science and Technical Information, 1Science.gov Way, Oak Ridge unless noted otherwise.

ORSSAB Support Office: (865) 241-4583 or 241-4584 **DOE Information Center:** (865) 241-4780

Board meetings on cable TV and YouTube	
Knoxville: Charter Channel 6, Comcast Channel 12	Thursday, November 22 and 29, 10 p.m.
Lenoir City: Charter Cable Channel 3	Wednesdays, 4 p.m.
Oak Ridge: Channel 12	Thursday, November 22, 9 p.m.
Oak Ridge: Channel 15	Monday, Wednesday, Friday, 8 a.m. & noon
YouTube	http://www.youtube.com/user/ORSSAB



Oak Ridge Site Specific Advisory Board

December 2012

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	
						1	
2	3	4	5	6	7	8	
9	10	11	12 ORSSAB will not meet in December	13	14	15	
16	17	18 Stewardship Committee 5:30 p.m.	19	20	21	22	
23	24	25 Christmas DOE holiday	26	27	28	29	
30	31	Jan. 1 New Year's Day DOE Holiday	ORSSAB Offices will be closed Monday, Dec. 24 through Tuesday, Jan. 1				

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Environmental Management Committee will not meet in December.

Public Outreach, Board Finance & Process, and Executive Committee meetings to be determined.

Board meetings on cable TV and YouTube	
Knoxville: Charter Channel 6, Comcast Channel 12	Thursday, December 20 and 27, 10 p.m.
Lenoir City: Charter Cable Channel 3	Wednesdays, 4 p.m.
Oak Ridge: Channel 12	Thursday, Thursday December 20, 9 p.m.
Oak Ridge: Channel 15	Monday, Wednesday, Friday, 8 a.m. & noon
YouTube	http://www.youtube.com/user/ORSSAB

Many Voices Working for the Community



Oak Ridge Site Specific Advisory Board

Unapproved October 10, 2012 Meeting Minutes

The Oak Ridge Site Specific Advisory Board (ORSSAB) held its monthly meeting on Wednesday, October 10, 2012, at the DOE Information Center, 1 Science.gov Way, Oak Ridge, Tenn., beginning at 6 p.m. A video of the meeting was made and may be viewed by contacting the ORSSAB support offices at (865) 241-4583 or 241-4584. The presentation portion of the video is available on the board's YouTube site at www.youtube.com/user/ORSSAB/videos.

Members Present

Alfreda Cook

Lisa Hagy

Janet Hart

Bob Hatcher

David Hemelright, Vice
Chair

Howard Holmes

Charles Jensen, Secretary

Jennifer Kasten

Ross Landenberger¹

Jan Lyons

David Martin, Chair

Fay Martin

Scott McKinney

Donald Mei

Greg Paulus

Coralie Staley

Robert Stansfield

Scott Stout

Thomas Valunas

Sam Yahr¹

Members Absent

Jimmy Bell

Bruce Hicks

¹Student Representative

Liaisons, and Federal Coordinator Present

Dave Adler, Liaison, Department of Energy-Oak Ridge Reservation (DOE-ORO)

Connie Jones, Environmental Protection Agency (EPA)

Melyssa Noe, ORSSAB Federal Coordinator, DOE-ORO

John Owsley, Tennessee Department of Environment and Conservation (TDEC)

Others Present

Elizabeth Burton, Restoration Services Inc. (RSI)

Jason Darby, DOE

Susan Gawarecki

Spencer Gross, ORSSAB Support Office

Pete Osborne, ORSSAB Support Office

Mark Selecman, RSI

Lynn Sims, RSI

Dave Watson, RSI

Eight members of the public were present.

Liaison Comments

Mr. Adler – Mr. Adler reported that Congress has passed a continuing resolution (CR) for six months to fund government operations at FY 2012 levels until a 2013 budget is approved. Because the CR doesn't fund a full year, Mr. Adler said it creates some uncertainty in planning for operations in FY 2013. DOE's Oak Ridge EM Program is being held to the FY 2012 budget during the CR, which is less than what DOE Oak Ridge had planned on. There will be some impacts to cleanup programs and DOE Oak Ridge EM is analyzing the effects and making plans for adjustments. He said work planned at K-25 and K-27 at East Tennessee Technology Park will be delayed about six months. Work regarding the Uranium-233 Project and the Transuranic Waste Disposition Program will not be impacted.

Mr. Adler said it is not known what Oak Ridge's funding will be for the second half of FY 2013. In January it should be known how much money Oak Ridge will have for the remainder of FY 2013 and it should also be known what the President's budget submittal will be for FY 2014. As a result, DOE will be working with EPA and TDEC to renegotiate milestones, but he said the expectation is to have a productive year for FY 2013.

Mr. Adler, along with Messrs. Martin, Hemelright, and Paulus recently attended the national EM SSAB Chairs' meeting in Washington, DC. Mr. Adler said it was one of the more productive meetings he has attended. He said a number of substantive recommendations were generated at the meeting. Those recommendations will be put before the board at the November meeting for consideration. He said one of the recommendations was to expand the role of the Waste Isolation Pilot Plant in New Mexico in DOE's cleanup program. The recommendation was for DOE to do a test project to explore the possibility of adding to the types of waste, in particular defense waste from the Savannah River Site, sent to the facility. Currently the facility only takes defense-related transuranic waste.

Ms. Jones – no comments.

Mr. Owsley – TDEC has posted its 2012 status report on its website at <http://www.tn.gov/environment/doeo/active.shtml>. Mr. Owsley said the website has reports for all previous years, as well as 2012. The report covers environmental monitoring results including an assessment of DOE's environmental management and control programs. Mr. Martin asked staff to forward the link to all board members.

Public Comment

None.

Presentation

The presentation was an Overview of Stewardship Tracking and Its Automation on the Oak Ridge Reservation (ORR). The main points of the presentation are in Attachment 1. Mr. Darby began the presentation by saying the Land Use Manager (LUM) is an automation tool that tracks land use and engineering controls. He said it's a tool that allows DOE to track stewardship requirements for remediated areas more efficiently.

Mr. Darby first explained what long-term stewardship (LTS) is and how the LUM will aid in tracking LTS requirements (Attachment 1, page 2, slide 3). LTS protects human health and environment from hazards, contamination, and wastes following remediation. It is the longest phase of the DOE EM program. Stewardship monitoring of remediated areas will continue indefinitely.

There are a number of elements of stewardship that includes stewards (principal, implementation, and oversight), information management, research, public participation and education, and operations. Mr. Darby said the focus of the evening's presentation was on operations.

Mr. Darby said stewardship operations include land use and engineering controls and media monitoring (Attachment 1, page 3, slide 5).

He showed a chart that explained LTS operations (Attachment 1, page 5, slide 9). The elements include the remedy, how the remedy is maintained, how its effectiveness is tracked, and the reports that document effectiveness. He said the LUM will assist in how these operations are done.

Mr. Darby turned the program over to Ms. Sims who explained why the LUM is needed. She reviewed the history of land use controls on the ORR from 1991 to present (Attachment 1, page 6, slide 11). By the time of the 2001 Five-year Review it was determined that the process of gathering and reporting stewardship requirements needed to be standardized. At that time the Water Resources Restoration Program (WRRP) developed check sheets for those responsible for ensuring engineering and land use controls. They were to fill out the check sheets and return to WRRP for review and compilation. As time went by and additional areas were remediated more and more check sheets were in use. By 2011 more than 200 check sheets were in use and were being submitted at different times during the year.

In Fall 2011 WRRP met with the ORSSAB Stewardship Committee and explained the data gathering process. The committee drafted a recommendation, which ORSSAB approved, that WRRP determine a way to automate the system. WRRP looked at a tool the Navy uses for its base realignment and closure program (BRAC). WRRP borrowed the tool and made it site specific to Oak Ridge and is now being used for the FY 2013 inspections for the annual Remediation Effectiveness Report (RER).

Ms. Sims said the previous process of tracking and verifying land use and engineering controls involved nine different organizations and having the check sheets filled out by the responsible parties (Attachment 1, page 6, slide 12). The check sheets were completed at different times during the year. WRRP then looked at the sheets to see if everything was in order or if something needed attention. If something needed attention, WRRP would begin a dialogue with the reporting party to ensure proper action was taken. Ms. Sims said the LUM automates that process. The reporting party fills out a check sheet and uploads to LUM. The program assigns a number indicating if something needs attention, and the process begins tracking the action.

The LTS verification also includes administrative land use controls. Ms. Sims that typically involves WRRP looking at check sheets to verify administrative controls are in place (Attachment 1, page 7, slide 13).

More than 50 sites are in the LUM system. It provides site descriptions, inspection notifications, contaminants of concern, and tracks problems and corrective actions (Attachment 1, page 7, slide 14). The LUM will send an email notice to the persons responsible for inspections reminding them when inspections are due. LUM has a query function to find things such as cap and sign controls.

Ms. Sims showed a diagram of the LUM tracking process (Attachment 1, page 8, slide 15). She said the LUM has a geographic information system (GIS) element that field inspectors can use to find elements such as signs and fences.

The advantages of LUM include centralized data storage, standardized data content and reports, easy access in field, paperless or standard inspection templates, accountable record of inspections, and ensures nothing is missed.

LUM can be accessed by the public, but there is also password protected accessibility (Attachment 1, page 9, slide 17) used by the field inspectors. Ms. Sims showed a sample of the publically accessible information (Attachment 1, page 9, slide 18). Users see a map of the ORR. They can

click on a watershed area, which provides a listing of contaminants of concern and the various controls. It includes a link to the most recent RER to see how the controls performed.

Mr. Watson discussed the field implementation of LUM. He said eight to 10 teams are available to record stewardship information. The teams use Panasonic Toughbooks, well-built devices that are weatherproof, can withstand drops up to 6 feet, are resistant to spills and dirt, and are approved by security for use on the ORR, except within areas protected by perimeter intrusion detection assessment systems.

Mr. Watson said the LUM provides inspections forms for each site (an example is shown on page 11 of Attachment 1, slide 22), prompts inspectors schedules, send automatic emails to facility managers, and provides status of site maintenance requests. The site maintenance request is a form in the LUM when something is found that needs attention. Attachment 1, page 12, slide 23 shows a comparison of how an issue was addressed before and after the implementation of LUM. Mr. Watson said prior to using the LUM it could be a few days to a couple of weeks before work was authorized to attend a problem. With LUM the request can be done in the field and sent directly to a facility manager.

Mr. Watson said datativity is the system to be used for monitoring (Attachment 1, page 12, slide 24). Currently there are a number of forms to be filled out for monitoring. LUM will create all of the forms electronically saving thousands of sheets of paper. The system holds historical data that is immediately accessible for current data for comparison.

Attachment 1, page 13, slide 25 lists the benefits of the LUM and the datativity function. Mr. Watson noted that real time monitoring includes access to weather radar. He mentioned an instance where an inspector noticed inclement might be approaching. He accessed the radar function and determined that a massive storm was on the way. He was able to finish his work quickly and leave the area before the storm arrived.

Mr. Watson said the GIS function was particularly useful and much more detailed than earlier paper maps inspectors were using.

He concluded his portion of the presentation showing a comparison of the older notebook version to the new laptop version of recording information (Attachment 1, page 13, slide 26).

After the presentation a number of questions were asked. Following are abridged questions and answers.

Mr. Hatcher – Have you looked at other DOE sites to see what they are doing, such as Hanford and Savannah River, and are they using similar systems? Ms. Sims – Before we went with Mijara, which is what this system is, we did a canvas to see what other people were using, and we determined that what the Department of Defense was using in terms of the BRAC process was best suited for us. BRAC began in the late 1980s or early 90s, so the system was much more developed. They were using it with full sites and it is working.

Mr. Paulus – This is a great system, but you're still dependent on the integrity of inspectors? Mr. Watson – Yes. Mr. Paulus – Are there any checks and balances on the inspectors to verify they are where they say they are? Mr. Watson – LUM time stamps when inspections are made. Mr. Selecman – All inspectors have to be trained. You have to meet the training requirements to receive the administrative key to be able to access they system and be an inspector.

Mr. Hemelright – Is this reporting done in real time or minutes, days? Mr. Watson – It's completely in real time. Mr. Hemelright – What about the monitoring of water flow? Does that have to done

manually or are there devices that can monitor the water flow from an outfall? Mr. Watson – We have devices in the field that do that. Mr. Selecman – The samplers at a well or outfall are using instrumentation to help do the sampling. Field parameters can be tied into the laptop, which automatically gives a read out. When all parameters are read in the datativity section the readout will indicate that a sample can be taken. We're not at that point yet. We're still working on datativity. But information from flow monitors are automatically entered into the spreadsheet, which is in real time.

Ms. Cook – What portions of the datativity are not functioning? Mr. Watson – It's all in the planning stage. We've talked with Mijara about implementing it, but we haven't done any of that yet. Mr. Selecman – Datativity is a strong tool. It has the capability of performing what we're doing with the Project Environmental Management System and the Oak Ridge Environmental Information System now. It's a totally integrated electronic data collection system. What we're going to use datativity for is the electronic notebook field logbook capabilities, the sampling forms, and those types of things. As you know DOE already has a management system that manages its data. As we implement that we'll be able to open more doors and use it to our benefit. Ms. Cook – When do you think it will be functioning? Mr. Selecman – That depends somewhat on EPA. Ms. Jones – I'm glad to see Oak Ridge moving in this direction. Ms. Sims will be coordinating with the private side of Superfund in Atlanta to see what some of the parameters are and getting that set up. EPA's system cannot house the extensive amount of data Oak Ridge has. So there is a separate stand alone system that can collect, correlate, and be able to interpret the data they are providing.

Mr. Hemelright – You mentioned the public accessibility portion of LUM. At other sites I've looked at it could be 30-120 days to get a report. With LUM we're talking about a matter of hours? Ms. Sims – We're in a beta testing phase of that right now. So we're looking for recommendations you would like to see in that phase of it.

Mr. Martin – Could someone explain the job of the facility managers on the reservation? Mr. Selecman – Bechtel Jacobs, Co. started the trend that they needed to have one person and a backup at every facility. They didn't mean just a building as a facility. It could be treatment system or anything. It would be one person that knows all that goes on in that facility. When you have multiple subcontractors coming in doing jobs there are hazards with each of those jobs and the facility manager's primary role is to coordinate all work activities that go on at his or her site to protect workers from different entities that are doing the work. Mr. Martin – Who at DOE is responsible for auditing the LUM? Mr. Selecman – We have annual audits and drop-in audits where they go in and look at the old hard copy of the records to make sure the system is being operated properly. I think those same auditors will go to the LUM, which will be able to provide the information they are looking for. Ms. Sims – We will be doing assessments continually of the system as part of the management program. For instance we do an assessment of a component of the LUM system. Before we purchased the system it went through the information technology group to ensure that it is secure. There were some firewall issues and we had to get Mijara's people in with our people to make sure those details were worked out.

Mr. Martin – Is EPA and TDEC looking at this to see how it will be used and how it will be audited for accuracy? Mr. Owsley – The short answer is yes. The biggest issue for TDEC is who is ultimately responsible for the institutional controls. If it's the facility manager, that needs to be specified in the record of decision. Ms. Jones – This is a new approach we will all have to consider. I agree with Mr. Owsley that since we are improving on the way we're doing the work documents will have to specify how this will be used and who will be ultimately responsible. As we've learned how land use controls and institutional controls would be identified we're learning how we should be monitoring. Mr. Adler – In DOE we have a lot of 'checkers' who check other people's work. The way we structure projects we take a piece of work and build it into a project. In this case it would be LUM. The project manager has responsibility to make sure the project is implemented

properly as close to schedule and on budget as possible. The project manager has access to other personnel and can bring people in as they see fit to ensure the quality of what they're doing. We do have a performance assurance division – they assure quality performance on projects. Ultimately we have the regulators, EPA and TDEC, to assure that what we do we do well.

Ms. Gawarecki – How do you prevent unauthorized access to information once it is in the system? Ms. Sims – The system itself has controls so only certain people can go in and perform certain functions. They can only go where they are authorized to be and change components of it. Ms. Gawarecki – How do you ensure an appropriate level of security? Ms. Sims – It's gone through the information technology department. It has a number of firewalls. We maintain that and look at continually. Ms. Burton – It should be as secure as the Navy system is. It's the same program but it's behind our firewalls.

Ms. Gawarecki – Is there a way of tracking any later changes to the records? Ms. Sims – We know when all of the assessments were made, we know when it was approved and who approved it, we know who went into the system and what they did to the report. It has a complete chain of custody so you can track it. Ms. Gawarecki – How do you back up the data? Is it on the laptop; is it backed up on the laptop during the course of the day? Mr. Selecman – Both systems are stored on the UCOR (DOE Oak Ridge prime cleanup contractor) server so anything entered there is backed up daily.

Mr. Martin – It seems like once information is archived it should be difficult for any one person to go in and change something. But that doesn't seem to be the case. If you have a password you can go in and change archived data. Mr. Selecman – On the datativity side you have to have administrative control to be able to change anything. There is also a quality assurance (QA) feature to that. If an incorrect entry is made in the field and the second person on the machine has a QA sheet and notices that a mistake has been made, any change that you make requires you to enter an explanation for that change. That stays with the record the entire time. Once it's decided the second QA looks good and data for the day is saved into the system, then you have to go back into administrative controls to go back in and change something.

Mr. Jensen – How much did it cost to implement the system? Ms. Sims – It was approximately \$68,000 to have the software put into place. Mr. Jensen – Who got the money? Ms. Sims – That goes to Mijara which developed the same program for the Navy. That's probably a fraction of the cost than if we had started fresh. We simply borrowed it from the Navy and tailored it to be site specific.

Committee Reports

Board Finance & Process – Mr. Paulus reported that ORSSAB ended FY 2012 with a surplus of funds, which will be carried over into the current fiscal year.

The committee spent considerable time discussing the possibility of budget cutbacks for DOE and how that might affect ORSSAB's budget allocation. Mr. Paulus said about 75 percent of ORSSAB's budget is allocated for administrative purposes (operation of the board) and the committee has no control on how that is spent. He said if there was a 10 percent cutback of ORSSAB funds, in effect that would be a 40 percent reduction in discretionary funds for ORSSAB use. He said the committee will work on ORSSAB's budget, excluding the administrative portion.

The committee elected Mr. Paulus, chair, and Mr. Valunas vice chair for FY 2013.

The committee will meet again on Thursday, October 25.

EM – Mr. Hatcher reported that the committee met on September 19 and had a follow-up discussion regarding Dan Goode’s visit to the ORR. Mr. Goode, with the U.S. Geological Survey, is a possible candidate to work with ORSSAB and DOE on better understanding groundwater flow characteristics through fractured rock on the ORR. Mr. Goode might also be involved in some groundwater strategy workshops that DOE is organizing with EPA and TDEC.

The committee did initial work on its FY 2013 work plan and approved a proposed FY 2015 budget request.

Mr. Hatcher and Ms. Cook were elected chair and vice chair of the committee respectively for FY 2013.

The committee will meet on Wednesday, October 17. Mr. Darby will provide information on the proposed siting of a second waste disposal facility on the ORR.

Public Outreach – Mr. McKinney reported that new board members have received orientation training. The committee developed its FY 2013 work plan and incorporated some items as a result of the recent annual planning meeting.

The committee approved its FY 2015 budget request.

Mr. McKinney said the status of the Public Environmental Survey is on hold until a determination is made about how it may be used.

Outreach efforts continue to area public servants and television stations.

The committee will meet on Tuesday, October 23 and will work on its presentation that is given to community groups.

The committee elected Mr. McKinney and Ms. Hart as chair and vice chair respectively.

Stewardship – Ms. Staley said the committee met on September 18 and developed its initial FY 2013 work plan and its budget request for FY 2015.

Ms. Staley and Ms. Martin were re-elected chair and vice chair for FY 2013.

The committee will meet on Tuesday, October 16 and will have a follow-up on this evening’s LUM presentation. The committee will also hear a report on extensive comments provided by the regulators on the FY 2011 Five-year Review. It will also develop a list of questions in preparation for a conference call with DOE Headquarters personnel regarding the Site Transition Summary.

Executive – Mr. Martin told committee members that it was important for the board to have its goals stated in order to have a successful year. He noted that a first draft of the work plan had been done and is being reviewed by the committee and the board’s Deputy Designated Federal Officer Susan Cange.

Mr. Martin said there are two vacancies on the board. Mr. Noe said DOE has contacted two possible candidates to determine if they are still interested in membership. If they are their applications will be forwarded to DOE Headquarters for review. They could receive an interim appointment and then their applications would be submitted again in February as part of an appointment package to fill term-limited seats in 2013.

Ms. Gawarecki asked who was included in the pool of candidates. Ms. Noe said it included everyone who has applied in the last two years, plus new applicants in recent weeks. She said applicants have to be evaluated to determine if they meet appointment criteria. Ms. Noe encouraged members to invite others to apply.

At its September meeting, the committee approved a travel request for Mr. Hemelright to attend the Perma-Fix Conference in Nashville.

Board members have been polled regarding opening the meetings with the pledge of allegiance. Mr. Martin said the results will be tabulated and comments noted.

Mr. Martin said one of the main topics of discussion at the EM SSAB Chairs' meeting was funding for cleanup. He said he believed DOE was doing a good job of planning for cleanup under the uncertainty of funding. The bad news, he said, was that any cuts now could cost additional billions of dollars later and push cleanup schedules out as much as 20 years.

The chairs approved four recommendations that have been sent to the local boards for approval. Staff will send the recommendations to board to review prior to the November meeting.

Mr. Martin asked for comments from the members who attended the chairs' meeting. Mr. Paulus thought it would be helpful, for perspective, for ORSSAB to get a presentation on what the other sites are doing regarding cleanup and how budget is being allocated to them. Mr. Hemelright agreed with Mr. Paulus' suggestion.

Ms. Martin asked about previous discussions about having food at the board meetings. Mr. Hemelright said it was discussed but because of logistical problems it was determined not to be feasible.

Announcements and Other Board Business

ORSSAB will have its next meeting on Wednesday, November 14 at 6 p.m. at the DOE Information Center.

The minutes of the September 12, 2012, meeting were approved.

The Recommendation on Availability of DOE Environmental Management Documents was approved (Attachment 2).

Federal Coordinator Report

No report.

Additions to the Agenda

None.

Motions

10/10/12.1

Mr. Jensen moved to approve the minutes of the September 12, 2012, meeting. Mr. Paulus seconded and the motion passed **unanimously**.

10/10/12.2

Mr. Hatcher moved to approve the Recommendation on Availability of DOE Environmental Management Documents. Mr. Hemelright seconded and the motion passed **unanimously**.

The meeting adjourned at 8:00 p.m.

Action Items

Open

1. Staff will forward the email link to TDEC's annual status report to board members.
2. Staff will forward recommendations from the Fall Chairs' meeting to board members for review.

Closed

Attachments (2) to these minutes are available on request from the ORSSAB support office.

I certify that these minutes are an accurate account of the October 10, 2012, meeting of the Oak Ridge Site Specific Advisory Board.

Chuck Jensen, Secretary

David Martin, Chair
Oak Ridge Site Specific Advisory Board
DM/rsg

DATE

EM SSAB Chairs Meeting
Washington, D.C.
Draft Chairs' Recommendation on the Waste Isolation Pilot Plant
October 3, 2012

The EM SSAB has noted with considerable interest and support that the Waste Isolation Pilot Plant (WIPP) has been remarkably successful in disposing of transuranic waste (TRU) throughout the DOE complex for approximately ten years. The success of the TRU waste program is among DOE's most notable achievements during this time frame.

The EM SSAB is also aware that the mission of the WIPP is being assessed for possible expansion to include disposal of some surplus plutonium from defense programs weapons production activities and certain other nuclear waste such as Greater-Than-Class-C Waste from NRC-related programs.

The success and activity of the WIPP program represents an opportunity for the DOE to make still further progress in addressing some of DOE's legacy waste streams.

The EM SSAB encourages the DOE to evaluate additional storage and disposal options for DOE legacy waste that could result from an expansion of the WIPP disposal mission.

For example, one specific test program that would support this concept involves shipment of a small number of SRS Defense Waste Processing Facility Canisters from SRS to WIPP for storage and evaluation for disposal. Such a test program would permit DOE to evaluate significant issues in DOE's complex-wide high-level waste disposition program such as:

- Shipment container development issues
- Packaging and shipment/receipt issues for both the shipper and the receiver
- Other transportation issues
- Dealing with consent-based approvals

It is the intent of this test program to provide valuable input and to serve as a precursor for the DOE program for the disposal of DOE's high-level waste.

EM SSAB Chairs Meeting
Washington, D.C.
Draft Chairs' Recommendation on DOE High-Level Waste
October 3, 2012

The EM SSAB would like to offer one recommendation that should increase the effectiveness and timeliness of addressing the disposal of DOE high-level waste.

It is recommended that DOE work with other national leaders to separate the disposition programs for the Defense Program high-level waste and the commercial nuclear industry high-level waste.

The DOE high-level waste program is at a more advanced stage relative to disposition than the commercial nuclear power industry waste-disposal program. For example, DOE presently has over 3,000 canisters at SRS awaiting the next step in the disposition process. Further, the waste form characterization and content is well known and understood. The same will be true for the waste forms in canisters that will be produced at Hanford and Idaho.

Also, the amount of DOE high-level waste is only 10% of the commercial nuclear volume. It is the intent of this recommendation to afford DOE an opportunity to address a much reduced quantity of high-level waste with well known forms. Disposition of the smaller volume in this manner could serve as an excellent learning tool for addressing the commercial high-level waste-disposition program.

PRE-DECISIONAL DRAFT

EM SSAB Chairs Meeting
Washington, D.C.

Draft Chairs' Recommendation on Funding for Technology Research and Development

October 3, 2012

The EM budget is composed of several components, including costs to maintain the EM complex in a safe 'operations ready' state, out-year compliance costs to meet future regulatory milestones, current-year compliance costs to meet regulatory milestones in the current fiscal year and other costs not directly tied to regulatory milestones.

Included in these costs is funding for the development of new technology that will improve the productivity of cleanup projects across the complex. The enhanced solvent for the Salt Waste Processing Facility at SRS is an example of a successful R&D project.

As the current federal budgeting activities continue to constrain EM cleanup activities, the EM SSAB recommends that DOE not constrain funding in areas of technology research and development. The EM SSAB recognizes that without innovative solutions for the future, the cost and timing of cleanup projects could jeopardize compliance with regulatory milestones and extend cleanup costs beyond reasonable expectations.

PRE-DECISIONAL DRAFT

EM SSAB Chairs Meeting
Washington, D.C.
Draft Chairs' Recommendation on Recycling
October 3, 2012

The EM SSAB recommends that DOE place more emphasis and priority on evaluating technologies that could make recycling excess materials cost effective. Decontaminating these materials for resale can have many positive benefits:

- Saving space in onsite CERCLA disposal cells
- Adding more dollars for cleanup from the sale of excess
- Reducing cumulative environmental insult
- Reducing long-term monitoring and stewardship costs

To facilitate continuous cost-effective recycling, the EM SSAB recommends that DOE identify and establish a national recycling center of excellence, incentivize contractors to recycle and repurpose items, and add a recycling and repurposing element to future Requests for Proposals.

PRE-DECISIONAL DRAFT

Recommendation Response Tracking Chart for FY 2013

	Date	To	Recommendation	Originating Committee	Response Date	Response Status	Committee Review of Response
1.	10/10/12	Susan Cange	211: Recommendation on Availability of DOE Environmental Management Documents	EM		Open	

EM Project Update

ETTP	September	October
Zone 1 Final ROD	Held meeting with regulators for initial discussion on comments and initiated preparation of D2 RI/FS.	Conducted meetings with the regulators to review their comments on the D1 RI/FS; continued preparation of the D2 RI/FS.
Zone 2 ROD	The PCCR for K-1070-B Burial Ground (EU 30) was submitted to the regulators for review/approval.	Remediation of the pits at the TSCA Incinerator (EU 44) continued.
K-25/K-27 D&D	Demolition was completed on the K-25 East Wing (non-technetium 99 area) with 18 building units demolished.	DOE readiness assessment for the NaF Trap removal was completed and five traps were successfully removed from the K-25 building. These were some of the highest risk components remaining in the small portion of the East Wing that is still standing.
	The vault cleanout activities were completed and authorization was received for removal of protective force locks and tamper-indicating devices controlling access into K-27 Vaults 31A and 32A. This enabled admittance of uncleared workers, reducing project costs.	The K-25 North End was condemned in preparation for demolition of the building. Demolition of the building structure began and removal of external stairways, elevator shafts, and transite siding was completed.
	The PCCR for K-25 detailing the demolition and disposal of 6 of 27 units was submitted to the regulators for review/approval.	
Groundwater Treatability Study	All project activities and technical memorandum documenting activities were completed.	
ORNL	September	October
BV Non-Reactor Facilities D&D	The PCCR for the NW Quad Slabs & Soils was submitted to the regulators for review/approval.	The PCCR for the D&D Small Facilities & SE Contaminated Lab Complex Facilities was approved by the regulators.
	All the shield plugs were removed on the 3026 Hot Cell Project. The smoke test and the airflow test were also conducted.	The 3026 Hot Cell Project is proceeding with implementation of the revised 3026D Facility Documented Safety Analysis and Technical Safety Requirements.
	The PCCR for Isotope Row LMR - 3030 & 3031 was approved by the regulators	Completed sampling of Hot Cell B contents and began segregating contents. Removal of the low-level items from Hot Cell B was completed.
	The shipment of the first Radioisotope Thermoelectric Generator to Nevada Nuclear Security Site was completed.	The PCCR for the NW Quad Except 2026/NE Laydown was approved by the regulators.
Y-12	September	October
UEFPC Soils Remediation		The PCCR for Salvage Yard Soil was approved by the regulators.
UEFPC Soils 81-10 Area	The Remedial Design Report was submitted to the regulators for review/approval.	
Y-12 D&D S&M		The Project Completion Report for Beta 3 Legacy Material Characterization was approved by the regulators.
		The RmAR for the Just in Case Yard was approved by the regulators.

EM Project Update

Off-Site Cleanup/Waste Management	September	October
TRU Waste Processing Center		The project exceeded their monthly processing goals for both contact-handled and remote-handled waste by 33 percent and 53 percent, respectively.
TSCA	Triple rinsing of the transfer line from the incinerator to the Central Neutralization Facility (CNF) was completed, ending routine discharge of wastewater to the CNF from outside sources.	Filling of the remaining dikes and containment areas and surveying and downposting of contamination areas will complete field activities at the incinerator.
	Removal and disposition of the exterior carbon vessels and removal of carbon from the interior vessels was completed.	
ORR Integrated Footprint Reduction	The Environmental Baseline Survey for ORNL and Y-12 was submitted to the regulators for review. This document identifies the parcels determined to require no further investigation. The area of the ORR that remains to be addressed is projected to be reduced from over 50 sq. miles to approximately 20 sq. miles	
EM Waste Facility	The RI/FS was submitted to the regulators for review/approval.	

Abbreviations/Acronyms List for Environmental Management Project Update

AM – action memorandum

ARRA – American Recovery and Reinvestment Act

BCV – Bear Creek Valley

BG – burial grounds

BV- Bethel Valley

CARAR – Capacity Assurance Remedial Action Report

CBFO – Carlsbad Field Office

CERCLA – Comprehensive Environmental Response, Compensation
and Liability Act

CD – critical decision

CH – contact handled

CS – construction start

CY – calendar year

D&D – decontamination and decommissioning

DOE – Department of Energy

DSA – documented safety analysis

DQO – data quality objective

EE/CA – engineering evaluation/cost analysis

EM – environmental management

EMWMF – Environmental Management Waste Management Facility

EPA – Environmental Protection Agency

ETTP – East Tennessee Technology Park

EU – exposure unit

EV – earned value

FFA – Federal Facility Agreement

FPD – federal project director

FY – fiscal year

GIS – geographical information system

GW – groundwater

GWTS – groundwater treatability study

IROD – Interim Record of Decision

LLW – low-level waste

MLLW – mixed low-level waste

MSRE – Molten Salt Reactor Experiment

MV – Melton Valley

NEPA – National Environmental Policy Act

NPL – National Priorities List

NNSS – Nevada National Security Site (new name of Nevada Test Site)

NTS – Nevada Test Site

ORNL – Oak Ridge National Laboratory

ORO – Oak Ridge Office

ORR – Oak Ridge Reservation

ORRS – operational readiness reviews

PaR – trade name of remote manipulator at the Transuranic Waste Processing Center

PCB - polychlorinated biphenyls

PCCR – Phased Construction Completion Report

PM – project manager

QAPP – Quality Assurance Project Plan

RA – remedial action

RAR – Remedial Action Report

RAWP – Remedial Action Work Plan

RCRA – Resource Conservation Recovery Act

RDR – Remedial Design Report

RER – Remediation Effectiveness Report

RH – remote handled

RI/FS – Remedial Investigation/Feasibility Study

RIWP – Remedial Investigation Work Plan

RmAR – Removal Action Report

RmAWP – Removal Action Work Plan

ROD – Record of Decision

RUBB – trade name of a temporary, fabric covered enclosure

S&M – surveillance and maintenance

SAP – sampling analysis plan

SEC – Safety and Ecology Corp.

SEP – supplemental environmental project

STP – site treatment plan

SW – surface water

SWSA – solid waste storage area

Tc – technetium

TC – time critical

TDEC – Tennessee Department of Environment and Conservation

TRU – transuranic waste

TSCA – Toxic Substances Control Act

TWPC – Transuranic Waste Processing Center

U – uranium

UEFPC – Upper East Fork Poplar Creek

VOC – volatile organic compound

WAC – waste acceptance criteria

WEMA – West End Mercury Area (at Y-12)

WHP – Waste Handling Plan

WIPP – Waste Isolation Pilot Plant

WRRP – Water Resources Restoration Program

WWSY – White Wing Scrap Yard

Y-12 – Y-12 National Security Complex

ZPR – Zero Power Reactor



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** David Hemelright
- II. Date(s) of Travel:** October 3 & 4 2012
- III. Location of Meeting:** DOE Headquarters, Washington, DC
- IV. Name of Meeting:** Advisory Board Chair's Meeting
- V. Purpose of Travel:** To attend as ORSSAB Vice Chair
- VI. Discussion of Meeting:** Briefing and discussion of projects with all advisory boards, Dave Huizenga, and financing with Terry Tyborowski.
- VII. Significance to ORSSAB:** Needed to know what funding was coming towards Oak Ridge specifically for EM legacy clean-up.

VIII. Names & Telephone Numbers of Significant Contacts:

Face-to-face meeting with Chair & Vice-Chair Persons from Paducah, Portsmouth, Hanford, Los Alamos, Idaho, Nevada and Savannah River facilities. Names and numbers are on file with SSAB staff.

- IX. Action Items:** Four (4) recommendations to be presented to ORSSAB for up or down approval without modification or addendums.
- 1.) Test shipment of SRS defense waste to WIPP.
 - 2.) Separate DOE HLW & commercial, non-industrial HLW.
 - 3.) Full funding of legacy clean-up 'complex' wide.
 - 4.) Effort to re-cycle materials from demolition sites.

These will be presented to the OR SSAB for approval at meeting on 14 November 2012.

X. Traveler's Signature & Date:

Signature: David Hemelright

Date: 11/08/12



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** David Martin
- II. Date(s) of Travel:** Oct 1, 5, &6
- III. Location of Meeting:** Washington, DC
- IV. Name of Meeting:** SSAB Chair's Meeting, Fall 2012
- V. Purpose of Travel:**

As part of my responsibilities as Board Chair, I attend these meetings to make presentations on what the ORSSAB is doing, to learn best practices and to work with other Board Chairs to develop cross systems recommendations to DOE.

VI. Discussion of Meeting:

The high points of the meeting were as follows.

Day 1

David Huizenga, Senior Advisor for EM, spoke on what is going on around the system. At a high level he mentioned:

- D&D of K25 and how lessons learned here must be used at Paducah.
- U233 disposition at Oak Ridge. DOE thinks the present path will save over \$400M.
- The Manhattan National Park motion failed to pass the Senate.
- Foot print reduction system wide reached 74% & 70% was the goal.
- Budget for next six months at 2012 level.
- 2014 Budget goes to the Hill Feb 2013.

Terry Tyborowski, Deputy Asst Secretary for Program Planning and Budget, spoke on the impact of fiscal constraints on program priorities and commitments. The main points she made are grim:

- Reduced funding could increase EM cost by \$126B and impact schedule by as much as 20 years.
- Compliance shortfalls cannot be resolved solely through shifting funds between sites.

She talked about specific site programs that could be impacted by budget cuts. For better or worse, she did not mention any specific programs at Oak Ridge. One area of general interest to all sites is that WIPP could wind up being under utilized because of slowdown in waste being generated at the sites.

The second half of her talk was on what we must do in times of constrained funding. We need to use innovation, best practices, set priorities, and work with regulators.

It is so important that we know what EM's overall plan is I am including it below in its entirety as presented.

- Develop multiple alternatives for each element of the program to meet lower performance and funding targets.
- Develop a communication tool to allow those alternatives to be combined in many various ways into complex-wide scenarios.
- Make communication tool available to regulators to understand impacts of funding allocations that might impact their site, as well as others.
- Work cooperatively with regulators to resolve regulatory issues.

I will close out this section on budget with the comment that we may need to come up with a request that a public meeting be held to go over what budget constraints could do to Oak Ridge and what are DOE EM's short and long term plans.

Christine Gelles, Associate Deputy Assistant Secretary for Waste Management, spoke on Waste Disposition Strategies. This was a high level overview of DOE EM that covered waste and disposal stream system wide. Key points were:

- Reduction of budget makes it critical that EM develop "safe, reliable and cost effective disposition paths".
- Detailed planning is underway for 2013 to understand waste management challenges and possible solutions.
- Although important, solid waste disposal is trending down so full work can continue on liquid waste disposal.

The important takeaways from her talk are as follows:

- In April 2012, OR was forecast to send 610,000 ft³ of waste to Nevada for storage. As of July the forecast stood at 400,000 ft³. (This includes Y12 waste.) The general decline was blamed on real and anticipated budgeting problems and technical reasons for less shipping.
- Forecast for 2013 is for 400,000 ft³ of waste to Nevada.
- There was very little mention of specific disposal programs at Oak Ridge. It was mentioned that an award was to be given to the U233 disposal team for among other things nearly \$600M program savings.
- Efforts are still underway to process TRU waste inventory at Oak Ridge.

- There was actually a “Blue Ribbon” presidential committee charge to review policies for managing the back end of the nuclear fuel cycle. It delivered its recommendations in January 2012. Main thing out of it is it recognized that WIPP might be a good place for many DOE wastes.

In closing, it was presented that we are at point in the program with the greatest technical challenges. Even with this and the budget constraints, DOE-EM still plans to “maintain our progress and meet our waste management goals”.

Day 2

Part of the morning was spent on “How to Chair a Local Board”. The presentations were very helpful to me as new board chair.

The major part of the day was spent working on recommendations to the DOE that are of importance to all boards. These recommendations concern:

- Recycling waste materials.
- Increased use of WIPP
- Support of new technologies
- Separate the disposition programs for the Defense Program high-level waste and the commercial nuclear industry high-level waste.

When ready, these recommendations will be sent to each board for an up/down vote. At this time all the Chairs endorse all the recommendations.

VII. Significance to ORSSAB:

See above and you tell me.

VIII. Names & Telephone Numbers of Significant Contacts:

Attached, please find the bios of the Chairs who attended. (Interesting mix of people.)

IX. Action Items:

- Recommendation for possible Ground Water Summit.
- Send information on Dr. Goode to Nevada.
- Touch base with Savannah on their study using USGS on ground water flow under the Savannah River.

X. Traveler’s Signature & Date:

Signature: 

Date: 10/17/12



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Greg Paulus
- II. Date(s) of Travel:** 9-28-12 to 10-6-12
- III. Location of Meeting:** Washington DC
- IV. Name of Meeting:** Chair's Meeting
- V. Purpose of Travel:** To attend the semiannual chair's meeting in DC, (note, personal travel was taken in conjunction with this trip)
- VI. Discussion of Meeting:** Meeting was kicked off with DOE personal giving briefings of site's status and a detailed financial situation to include the aspects of budget cuts, both very informative. The chair's then discussed various joint concerns and cross-complex issues drafting memos for DOE.
- VII. Significance to ORSSAB:** Most significant aspect of the meeting was learning what is going on at the other sites, what their concerns are, and meeting our counterparts at the other seven sites with an SSAB. Having a better knowledge of the "big" picture and how DOE is addressing each element provided a better understanding of the activities being funded at OR and the priorities used by DOE in establishing funding at each site. As a member (non-chair) I was not directly involved in the discussions, but was able to go over everything with Dave M and Dave H.
- VIII. Names & Telephone Numbers of Significant Contacts:** NA
- IX. Action Items:** None, except I believe it would greatly benefit the ORSSAB to be giving a briefing by DOE at one of our meetings on the activities and basic history of the other 7 sites we are competing with to receive funding.
- X. Traveler's Signature & Date**

Signature:

Date:

10-10-12



Oak Ridge Site Specific Advisory Board

TRIP REPORT

- I. Name of Traveler:** Spencer Gross
- II. Date(s) of Travel:** October 2-3, 2012
- III. Location of Meeting:** Washington, DC
- IV. Name of Meeting:** Fall 2012 EM SSAB Chairs' Meeting
- V. Purpose of Travel:**

To provide administrative support for ORSSAB members and DOE liaison traveling to the meeting.

VI. Discussion of Meeting:

Twice a year the chairs of the site specific boards that make up the Environmental Management Site Specific Advisory Board (EM SSAB) convene to discuss issues and concerns at their respective sites and to receive up-to-the-minute information from EM leadership at DOE headquarters.

This meeting featured updates by David Huizenga, Senior Advisor for EM; Terry Tyborowski, Deputy Assistant Secretary for Program Planning and Budget; Steve Trischman, Deputy Director, Office of Strategic Planning; and Christine Gelles, Associate Deputy Assistant Secretary for Waste Management.

Huizenga said DOE EM has a budget for the next six months, but noted that it was a continuing resolution at FY 2012 levels. He said the department's budget request for FY 2014 is being reviewed by the Office of Management and Budget.

Regarding historic preservation efforts, legislation to establish national park sites to commemorate the Manhattan Project did not pass Congress, but it will likely be introduced again. He noted that the memorandum of agreement for site interpretation at East Tennessee Technology Park and K-25 had been signed.

Tyborowski said about \$800 million in work scheduled to be done across the complex was unfunded in FY 2011-12.

For FY 2013 she said the House reported out a budget appropriation for DOE EM of \$5.58 billion, while the Senate reported out \$5.735 billion. The department's budget request was \$5.65 billion. The two houses will have to work out the difference, and Tyborowski said EM must prepare on how to handle expected budget cuts. She said the department should prepare to have an appropriation of about \$5.4 billion for the remainder of FY 2013.

Trischman said aligning program performance with anticipated funding targets will significantly impact existing priorities and compliance agreements. He said lifecycle cost increases of \$126 billion will extend the cleanup schedule around the complex by about 20 years. Compliance shortfalls may be too large to be resolved. Potential impacts in Oak Ridge could be felt at East Tennessee Technology Park and the K-27 demolition.

Gelles said waste disposal volumes were lower in FY 2012. She said that was the result of using on-site disposal facilities more, technical issues, funding limitations, and more efficient ways of packaging waste.

She said revised strategies in Oak Ridge may have impacted waste volume, such as segregation of technetium-99 contaminated sections of the K-25 Building.

As is custom, the chairs presented their top issues, activities, and accomplishments as well as cross-cutting issues. ORSSAB Chair David Martin suggested a teleconference among the boards on the issue of groundwater contamination.

This meeting saw the chairs consider more recommendations than ever before. There were three in the meeting packet and three more were formulated at the meeting. One in the meeting packet was pulled and another tabled. But the chairs discussed and revised four recommendations that will be sent to the individual boards for consideration.

On the second day of the meeting some of the more experienced chairs participated in a round table discussion on best practices to chair a local board. They shared their experiences and insights on working with technical and non-technical members, involving the public, and working toward consensus.

All in all, this was one of the more productive chairs' meetings I've attended.

VII. Significance to ORSSAB:

Provides insight to ORSSAB members of issues other boards face and gives our board an opportunity to talk about its issues, accomplishments, and activities.

VIII. Names & Telephone Numbers of Significant Contacts:

IX. Action Items:

I was asked to send a link to the board's white paper on the complexities of cleaning up the Oak Ridge Reservation for distribution to other board chairs and to send a copy of our new member orientation manual to Cate Alexander, the board's designated federal officer.

X. Traveler's Signature & Date:

Signature: Spencer Gross, ORSSAB staff

Date: October 10, 2012

OAK RIDGE SITE SPECIFIC ADVISORY BOARD



FY 2013 WORK PLAN

OCTOBER 1, 2012 – SEPTEMBER 30, 2013

Susan Cange
Deputy Manager for Environmental Management
Department of Energy – Oak Ridge Office

Date

David Martin, Chair
Oak Ridge Site Specific Advisory Board

Date

INTRODUCTION

The Oak Ridge Site Specific Advisory Board (ORSSAB) is a federally appointed citizens' panel that provides advice and recommendations to the U.S. Department of Energy–Oak Ridge Office (DOE-ORO) on its Oak Ridge Environmental Management (EM) Program. The group was formed in 1995 and is chartered under the EM SSAB Federal Advisory Committee Act Charter. The Board's mission statement is as follows:

The mission of the EM SSAB at Oak Ridge, Tennessee, is to provide meaningful opportunities for collaborative dialogue among the diverse multicultural communities surrounding the Oak Ridge Reservation, EM, and DOE-ORO. The Board is chartered under the EM SSAB charter. At the request of the Assistant Secretary, the ORO Manager, or the ORO Manager for EM, the Board may provide informed advice and recommendations concerning the following EM site-specific issues: cleanup standards and environmental restoration, waste management and disposition, stabilization and disposition of non-stockpile nuclear materials, excess facilities, future land use and long-term stewardship, risk assessment and management, and cleanup science and technology activities. The Board may also be asked to provide advice and recommendations on any other EM project or issue. The Board ensures early, ongoing community access to information (and its interpretation and implications) and dialogue that improves the quality of the decision-making process of EM and ORO.

The Board is composed of up to 22 members, chosen to reflect the diversity of gender, race, occupation, views, and interests of persons living near the Oak Ridge Reservation. Members are appointed by DOE and serve on a voluntary basis, without compensation. The Board currently consists of members from five counties: Anderson, Blount, Knox, Loudon, and Roane. Non-voting members include representatives from DOE-ORO, the U.S. Environmental Protection Agency (EPA) Region 4, and the Tennessee Department of Environment and Conservation (TDEC). These members advise the Board on their agency's policies and views. Two non-voting student participants also serve on the Board to represent the viewpoints and concerns of area youth. The student representatives for FY 2013 are from Oak Ridge High School and Hardin Valley Academy.

The Board meets monthly to hear presentations by persons working on relevant environmental management topics, listen to and discuss input from citizens, consider recommendations developed by the various ORSSAB committees, and perform other business. The Board strives for consensus in reaching decisions and conducts business under a set of bylaws, standing rules, and special rules of order, which incorporate the principles of *Robert's Rules of Order*.

FY 2013 ORGANIZATION

ORSSAB generally works to achieve its mission through its committee structure, and each year the Board holds a planning meeting to determine how best to address its mission and what its committee structure should be. A summary of the 2013 meeting is available on the ORSSAB website (<http://www.oakridge.doe.gov/em/ssab/>).

The FY 2013 organizational structure is shown in Figure 1. It includes an Executive Committee, four standing committees, Board Finance & Process, Environmental Management, Public Outreach, and Stewardship. The EM Budget & Prioritization Committee is a subcommittee to the Board Finance & Process Committee that meets as needed during the DOE EM budget development process. As allowed by ORSSAB Bylaws, other committees may be formed as needed during the year to address specific issues.

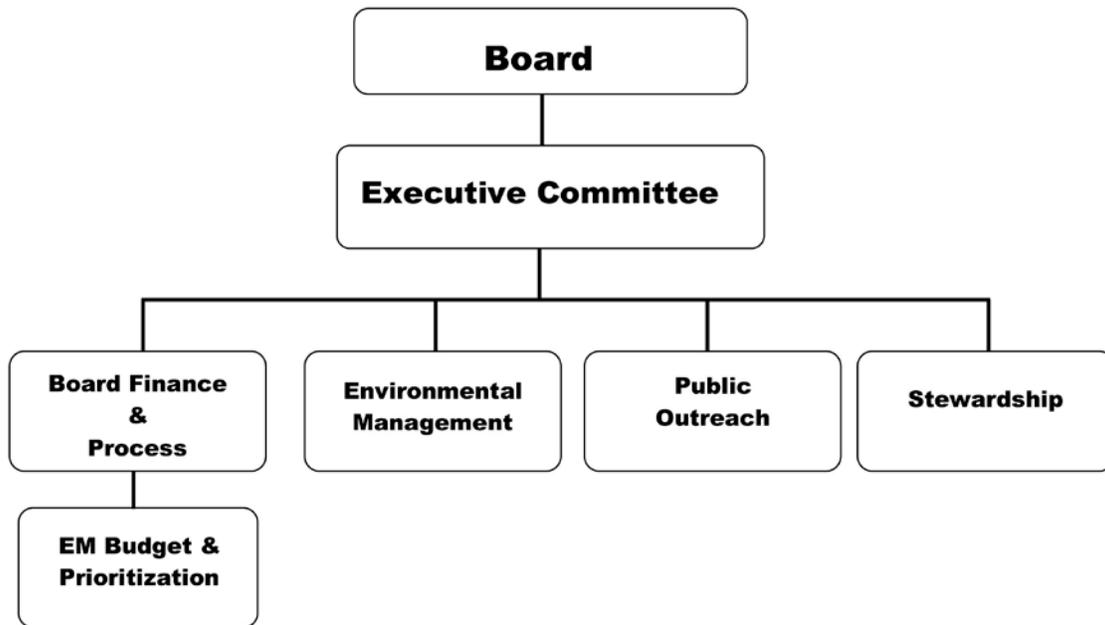


Figure 1. FY 2013 organizational structure.

Each ORSSAB standing committee creates its own work plan to guide its activities during the year. Suggestions for committee work plan topics were provided prior to the retreat by DOE, TDEC, EPA, ORSSAB members, and stakeholders (via the Board's "Public Environmental Survey"). Work plan topics were selected from the suggestions provided at the retreat. Topics were then incorporated into draft committee work plans, along with information on issue managers, timelines, expected output, and status. These work plans, which are "living documents" to be updated continually as the Board year progresses, are provided in the following pages.

**Board Finance & Process Committee
FY 2013 Work Plan**

Goal 1—Maintain overall responsibility for funding prioritization and control for the board.

Objectives:

1. Review monthly cost reports.
2. Develop the ORSSAB budget request.
3. Propose allocations for carryover budgets.
4. Determine funding availability for travel requests.

Goal 2—Serve as the board’s initial forum for discussion of issues involving the ORSSAB Bylaws and Operating Procedures, annual meeting, and preparation of the board’s annual work plan.

Objectives:

1. Review and discuss any proposed changes to the Bylaws and Operating Procedures.
2. Develop a work plan for annual meeting planning, and coordinate its implementation.
3. Oversee development of the annual work plan.

Goal 3—Serve as the board’s initial forum for discussion and generation of a yearly recommendation on the Oak Ridge EM program budget and prioritization.

Objectives:

1. Meet with DOE, EPA, and TDEC liaisons to review and discuss their agencies’ priorities.
2. Draft a recommendation for full board consideration.

Month	Issue and Activities	Expected Output	Status
Oct. 25	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review 2012 carryover and 2013 ORSSAB budget allocation ▪ Review proposed travel for 2013 ▪ Generate the FY 2015 ORSSAB budget request (based on the standing committee requests) and transmit it to Executive Committee for approval ▪ Carryover topics from 9/27/12 meeting: <ul style="list-style-type: none"> – FY 2015 Board Finance & Process budget request – Cost analysis of the annual meeting – Cost analysis of travel – Review of Operating Instructions Section I – Ideas for revising the mission statement – FY 2013 committee work plan 	<ul style="list-style-type: none"> ▪ Completed reviews of expenditures, 2012 carryover, 2013 allocations, and 2013 travel ▪ Final FY 2015 ORSSAB budget request ▪ Completed review of Section I ▪ Completed carryover topics from 9/27/12 meeting 	<ul style="list-style-type: none"> ▪ The reviews were completed ▪ The FY 2015 Board Finance & Process budget request was revised to \$23,000 ▪ The FY 2015 ORSSAB budget request was revised to \$82,980 ▪ No changes were proposed to Section I of the Operating Instructions ▪ Discussion of suggested revisions to the ORSSAB mission statement from the annual meeting was postponed ▪ Review of the FY 2013 committee work plan was postponed

Nov. 29	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review Section II of the ORSSAB Operating Instructions ▪ Review suggested revisions to the ORSSAB mission statement from the annual meeting ▪ Date of the December committee meeting 	<ul style="list-style-type: none"> ▪ Completed expenditures review ▪ Completed review of Section II ▪ Decision on mission statement amendments ▪ Decision on date of the December committee meeting 	<ul style="list-style-type: none"> ▪
Dec.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review Section III of the ORSSAB Operating Instructions Review the DOE markup of the FY 2015 ORSSAB budget request 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Jan.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Decide on location for the 2013 annual planning meeting, and review the facilitator contract ▪ Review Section IV of the ORSSAB Operating Instructions ▪ Meet with DOE liaison to discuss EM's FY 2015 priorities 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Feb.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Generate topics for the spring chairs meeting ▪ Review Section V of the ORSSAB Operating Instructions ▪ Meet with EPA and TDEC liaisons to discuss their agencies' priorities 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Mar.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review Section VI of the ORSSAB Operating Instructions ▪ Prepare a draft recommendation on the FY 2015 Oak Ridge EM budget request 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
Apr.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review Section VII of the ORSSAB Operating Instructions ▪ Send draft recommendation to full board for consideration 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪
May	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review Section VIII of the ORSSAB Operating Instructions ▪ Review planning for annual meeting 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪

June	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review projected costs for the remainder of the year ▪ Review Section IX of the ORSSAB Operating Instructions ▪ Review planning for annual meeting 	▪	▪
July	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review FY 2013 committee accomplishments ▪ Review Section X of the ORSSAB Operating Instructions ▪ Generate topics for the fall chairs meeting ▪ Review planning for annual meeting 	▪	▪
Aug.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Review the process for developing the FY 2016 ORSSAB budget request, and have staff request that standing committees prepare their budget requests in September ▪ Review annual meeting results 	▪	▪
Sept.	<ul style="list-style-type: none"> ▪ Monthly expenditures ▪ Generate the FY 2016 Board Finance & Process budget request ▪ Elect FY 2014 officers ▪ Generate FY 2014 committee work plan ▪ Cost analysis of the annual planning meeting 	▪	▪

ANNUAL MEETING ACTIVITIES

Issue Manager: _____

Month	Issue and Activities	Expected Output	Status
Oct.	▪	▪	▪
Nov.	<ul style="list-style-type: none"> ▪ Investigate potential facilities for the 2013 annual meeting 	▪	▪
Dec.	<ul style="list-style-type: none"> ▪ Investigate potential facilities for the 2013 annual meeting 	▪	▪
Jan.	<ul style="list-style-type: none"> ▪ Decide on location ▪ Review facilitator contract 	▪	▪

Month	Issue and Activities	Expected Output	Status
Feb.	▪ Sign contracts with facility and facilitator	▪	▪
Mar.	▪	▪	▪
April	▪ Hold 1 st conference call with the facilitator to discuss agenda, member survey, meeting logistics. Create 1 st draft agenda	▪	▪
May	▪ Hold 2 nd conference call with the facilitator to discuss agenda, member survey, meeting logistics. Create 2 nd draft agenda	▪	▪
June	▪ Meet internally to discuss logistics and menus	▪	▪
July	▪ Hold 3 rd conference call with the facilitator to review their member survey results presentation	▪ ▪	▪
Aug.	▪ Hold 4 th conference call with the facilitator to finalize logistics	▪	▪
Aug. 17	ANNUAL MEETING		
Aug. 29	▪ Meet with facilitator and Executive Cmte to review end-of-day evaluations, facilitator's summary, and lessons learned	▪	▪
Sept.	▪ Review costs	▪	▪

**Environmental Management Committee
FY 2013 Work Plan Tracking Chart**

Environmental Management Committee Mission Statement

The mission of this committee is to evaluate and make recommendations on DOE's planning and implementation of ORR environmental restoration projects and on treatment, storage, disposal and transportation of wastes and materials for which the EM Program is responsible. The committee will facilitate public participation in providing feedback to DOE on these decisions and consider health and safety, environmental justice and DOE complex-wide concerns related to its mission topics.

Month	Issue Manager	Issue/Activities	Expected Output	Status
Oct. 17	ORSSAB - Alfreda Cook, 482-6473 Cookal123@gmail.com DOE – Jason Darby, 241-6343 darbyjd@oro.doe.gov	Siting of a second CERCLA waste disposal cell – participation in ongoing activities to assure sufficient waste disposal. Follow on Committees: Stewardship and Public Outreach	Possible recommendation	The committee decided not to take any action yet concerning a recommendation on the topic until there is more public involvement in the decision-making process
Nov. 28	DOE – Dave Adler, 576-4094 adlerdg@oro.doe.gov	Initial briefing on groundwater strategy development workshops – Dave Adler or workshop facilitator Follow-on committee: Stewardship	Information	
Dec.	No meeting			
Jan. 16		Hazardous and radioactive waste in long-term storage follow on to Oct. board meeting		

Month	Issue Manager	Issue/Activities	Expected Output	Status
Feb. 20	DOE – Dave Adler, 576-4094 adlerdg@oro.doe.gov	<p>Review presentation from January 9 board meeting on EM portfolio plans (emphasis on mercury at Y-12), review planning documents; offer committee opportunity to provide feedback in form of comments/ recommendation at March meeting to send to full board in April.</p> <p>Follow-on committees: Stewardship and Public Outreach</p> <p>Possible recommendation/ comments on EM portfolio plans from January meeting.</p> <p>Topics for Top Three Issues, Board Accomplishment, Major Board Activity for Spring Chairs meeting</p>		
March 20	DOE – Joy Sager, 574-9157 Sagerjl@oro.doe.gov	Update on Molten Salt Reactor Experiment strategy planning document	Possible recommendation	
April 17	EM Committee – Gloria Mei, 574-0188 meigt@ornl.gov	Uranium-233 Disposition Project		
May 15		Tour of Transuranic Waste Processing Center		

Month	Issue Manager	Issue/Activities	Expected Output	Status
June 19	DOE – Dave Adler, 576-4094 adlerdg@oro.doe.gov	Debriefing on progress of groundwater strategy development workshops –	information	
July 17		FY 2013 Committee accomplishments for annual planning meeting		
Aug. 21		Topics for Top Three Issues, Board Accomplishment, Major Board Activity for Fall Chairs meeting		
Sept. 18	DOE – Dave Adler, 576-4094 adlerdg@oro.doe.gov	Report of recommendations from groundwater strategy development workshops and provide committee opportunity to offer recommendation on report in FY 2014 FY 2014 Work plan development Develop committee budget request for FY 2016 Elect committee chair and vice chair for FY 2014	Information/ opportunity to provide recommendation in FY 2014	

Potential Topics

Issue Manager	Issue/Activities
ORSSAB – DOE – BJC – EPA –	

Ongoing Topics

Issue Manager	Issue/Activities
	ETTP Zone 1 RIFS
	Toxic Substances Control Act Incinerator Shutdown
	Treatment of chromium contaminated groundwater at Central Neutralization Facility - Information presentation for better understanding

FY 2013

Public Outreach Committee Work Plan

Goal—Implement the Board’s mission to reflect the concerns of the communities impacted by environmental management of the Oak Ridge Reservation and serve as a communications link between the public and DOE.

Objectives:

1. Advertise ORSSAB activities in a variety of publications and media.
2. Make presentations to local organizations, schools, and elected officials.
3. Promote awareness about ORSSAB and the DOE Environmental Management Program through special events, exhibits, and other activities.
4. Investigate new ways to communicate with the public.

Month	Events and Activities	Expected Output	Status
Oct. 23 in-person meeting at DOEIC	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Review annual report editorial plan & schedule ▪ Revision of the outreach presentation ▪ Updates on OMB approval of the Public Environmental Survey, the museum exhibit, and plans for inviting VIPs ▪ Clarification of stream postings to the public ▪ Coordination of annual meeting issues with other ORSSAB committees ▪ Distribution of the Advocate by email only ▪ Survey of members’ committee involvement and meeting preferences 	<ul style="list-style-type: none"> ▪ Completed calendar review ▪ Comments on the annual report plan & schedule ▪ Path forward on updating the outreach presentation ▪ Completed updates ▪ Path forward on clarification of stream postings to the public ▪ Path forward on coordinating annual meeting issues with other ORSSAB committees ▪ Decision on Advocate distribution ▪ Completed survey results 	<ul style="list-style-type: none"> ▪ Calendar review was completed ▪ Comments on the annual report due October 30 ▪ Mr. McKinney will take a first cut at creating a shorter version for the committee to review at the November meeting ▪ Updates were made ▪ Ms. Cook will work on the stream postings as issue manager ▪ Mr. McKinney will review how inter-committee coordination will work when he gets the members’ surveys back. Ms. Cook will serve as issue manager for the waste disposal topic ▪ Advocate distribution tabled ▪ Members will supply Mr. McKinney with their completed surveys
Nov. 27 teleconfer ence	<ul style="list-style-type: none"> ▪ Annual report comments due by November 29 ▪ Review January Advocate editorial plan & schedule ▪ Discussion of organizations and individuals to target for presentations 	<ul style="list-style-type: none"> ▪ Completed calendar review ▪ Comments on annual report ▪ Comments on Advocate editorial plan & schedule ▪ Decision on which organizations to target for presentations 	<ul style="list-style-type: none"> ▪
Dec.	<i>No meeting</i>		
Jan. 22 teleconfer ence	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Decide on subject for quarterly newspaper editorial 	<ul style="list-style-type: none"> ▪ 	<ul style="list-style-type: none"> ▪

Month	Events and Activities	Expected Output	Status
Feb. 26 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Review April Advocate editorial plan & schedule ▪ Discuss participation in Oak Ridge Earth Day ▪ Generate topics for the spring chairs meeting 	▪	▪
Mar. 26 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Comments due on the draft Advocate newsletter 	▪	▪
April 23 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Decide on subject for quarterly newspaper editorial 	▪	▪
May 21 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Planning for Secret City Festival booth ▪ July Advocate editorial plan & schedule 	▪	▪
June 25 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Review Public Environmental Survey ▪ Comments due on the draft Advocate newsletter 	▪	▪
July 23 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Review FY 2013 committee accomplishments 	▪	▪
Aug. 27 teleconference	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Decide on subject for quarterly newspaper editorial ▪ Public Environmental Survey results analysis ▪ Review October Advocate editorial plan & schedule ▪ Generate topics for the fall chairs meeting 	▪	▪

Month	Events and Activities	Expected Output	Status
Sept. 24 in-person meeting at DOEIC	<ul style="list-style-type: none"> ▪ Planning calendar ▪ Review outreach suggestions from Public Environmental Survey and annual planning meeting ▪ Comments due on the draft Advocate newsletter ▪ Election of FY 2014 officers ▪ Generate FY 2014 work plan ▪ Generate the FY 2016 committee budget request 	▪	▪

**Stewardship Committee
FY 2013 Work Plan Tracking Chart**

Stewardship Mission Statement

The goal of the committee is to serve as a forum for discussion of topics relevant to the long-term stewardship of the Oak Ridge Reservation and to act as a liaison between DOE and the community at large.

FY 2013 Goals

1. Provide input to DOE Headquarters on the site transition summary for ongoing mission sites
2. Provide comments on Remediation Effectiveness Reports
3. Provide input on development of the DOE geographical information system
4. Monitor development of the Land Use Manager

Month	Issue Manager	Issue/Activities	Expected Output	Status
Oct. 16	UCOR – Sally Brown, 241-6716 Sally.brown@ettp.doe.gov	Land Use manager presentation – Sally Brown	Possible comments or recommendation.	Committee received an update on the status of the LUM. Still in testing stage but should be fully implemented in January. A suggestion was made to make a presentation on the LUM at the Spring EM SSAB Chairs' meeting.
	UCOR - Lynn Sims, 241-1158 Lynn.sims@ettp.doe.gov	Five-year review – issues with the review		Ms. Sims explained to the committee that there were extensive comments on the Five-year Review from the regulators and the decision was made to resolve all the comments before issuing a D2 version of the document to the public.
		Work on questions for November conference call on site transition summary		The committee delayed action on this item to allow time to study the

Month	Issue Manager	Issue/Activities	Expected Output	Status
		<p><i>Invite to EM committee meeting on Oct. 17</i></p> <p>Siting of a second CERCLA waste disposal cell – participation in ongoing activities to assure sufficient waste disposal – Jason Darby</p>		<p>13-step guidance document associated with implementing the site transition summary.</p> <p>Committee members invited to the EM Committee meeting.</p>
November 20	DOE – Joy Sager, 574-9157 sagerjl@oro.doe.gov	<p>Work up questions on site transition summary and 13-step guidance document for use at December conference call.</p> <p><i>Invite to EM Committee meeting on Nov. 28</i></p> <p>Initial briefing on groundwater strategy development workshops – Dave Adler or workshop facilitator</p>	Possible comments or recommendation on summary and/or guidance document.	
Dec. TBD		Conference call with HQ on site transition summary and 13-step guidance document		

Month	Issue Manager	Issue/Activities	Expected Output	Status
Jan. 15	DOE – Joy Sager, 574-9157 sagerjl@oro.doe.gov	<p>NPL boundary definition update – Joy Sager, comments from regulators, state of Tenn.</p> <p>Review presentation from January 9 board meeting on EM portfolio plans, review planning documents/provide any comments at EM committee</p> <hr/> <p><i>Invite to EM Committee meeting on Jan. 16.</i></p> <p>Review presentation from January 9 board meeting on EM portfolio plans, review planning documents/offer committee opportunity to provide feedback in form of comments/ recommendation at Feb. 20 meeting to send to full board in March</p>	<p>Possible comments or recommendation.</p> <p>Possible comments to take to EM Committee meeting on Jan. 16.</p>	

Month	Issue Manager	Issue/Activities	Expected Output	Status
Feb. 19	Stewardship Committee - Norman Mulvenon, 482-3153, Mulvenon@juno.com TDEC – John Owsley, 481-0995 John.owsley@state.tn.us	Comments from TDEC on status of stewardship on the reservation Topics for Top Issues, Board Accomplishment, Major Board Activity for Spring Chairs meeting		
		<i>Invite to EM committee meeting on Feb. 20.</i> Possible recommendation/ comments on EM portfolio plans from January meeting.		
March 19	ORSSAB - David Martin, 617- 0501 Dmartin@ieee.org Stewardship Committee - Norman Mulvenon, 482-3153, Mulvenon@juno.com UCOR - Lynn Sims, 241-1158 Lynn.sims@ettp.doe.gov	RER presentation – Lynn Sims, invite EM Committee to meeting/possibly combine meetings	Possible comments or recommendation	
		<i>Invite to EM committee meeting on March 20.</i> Hazardous and radioactive waste in long-term storage		
April 16				

Month	Issue Manager	Issue/Activities	Expected Output	Status
May 14	ORSSAB - David Martin, 617-0501 Dmartin@ieee.org Stewardship Committee - Norman Mulvenon, 482-3153, Mulvenon@juno.com	Comments due on RER from committee to board		
June 18		FY 2013 committee accomplishments for board's annual meeting <i>Invite to EM committee meeting on June 19.</i> Debriefing on progress of groundwater strategy development workshops – Dave Adler or workshop facilitator		
July 16		Topics for Top Issues, Board Accomplishment, Major Board Activity for Fall Chairs' meeting		
Aug. 20				
Sept. 17		FY 2014 work plan development Develop committee budget request for FY 2016 Elect officers for FY 2014		

Month	Issue Manager	Issue/Activities	Expected Output	Status
		<i>Invite to EM Committee meeting on Sept. 18</i> Report of recommendations from groundwater strategy development workshops and provide committee opportunity to offer recommendation on report in FY 2014		

Potential Topics

Issue Manager	Issue/Activities
ORSSAB – DOE – BJC – EPA -	Adding a college student to the board as a non-voting member.

Ongoing Topics

Issue Manager	Issue/Activities

FY 2013 Travel Opportunities

Meeting/Event	Dates	Location	Reg. Cost	Website	Deadline to Submit Travel Requests
Fall Chairs Meeting (Attendees: Hemelright, D. Martin, Paulus)	Oct. 2-3, 2012	Washington, D.C.	none	http://emssabchairsmeetingoctober2012.eventbrite.com/	Aug. 23, 2012
Perma-Fix Mixed Nuclear Waste Management Forum (Attendees: Hemelright, Holmes, Kasten)	Dec. 10-13, 2012	Nashville	none	none	Oct. 25, 2012
Intergovernmental Meeting with DOE	Dec. 12-14, 2012	New Orleans	?	?	Oct. 25, 2012
Waste Management Symposium Attendees: Hemelright, Kasten, F. Martin)	Feb. 24-28, 2013	Phoenix	\$995	www.wmsym.org	Dec. 20, 2012
15th National Brownfields Conference	May 15-17, 2013	Atlanta	\$125	www.brownfieldsconference.org/en/home	March 28, 2013
Spring Chairs Meeting (Tentative requests: Hatcher, Hemelright, Staley)	?	Richland, WA	none	none	
Western Waste Site Tour (Tentative requests: Hatcher, Staley)	?	Waste Isolation Pilot Plant, Nevada Nat'l Security Site	none	none	
National Environmental Justice Conference & Training	?	Washington, D.C.	none	?	
Health Physics Society Annual Mtg	?	?	?	?	
RadWaste Summit (Tentative requests: Hemelright)	?	Las Vegas	?	?	
Fall Chairs Meeting (Tentative requests: Hemelright)	?	Portsmouth, OH	none	none	