



## **SRS Citizen's Advisory Board**

### **SRS Citizens Advisory Board Meeting Minutes**

**November 17-18, 2003**

**Embassy Suites  
North Charleston, S.C.**

#### **Monday, November 17, 2003 Attendance**

##### **SRS CAB Members**

Donna Antonucci  
Jennifer Barrington  
Leon Chavous  
Gerald Devitt  
Mary Drye  
Mel Galin  
Perry Holcomb  
Bill Lawless

##### **Stakeholders**

Bob Meisenheimer  
Ranowul Jzar  
Walt Joseph  
Paula Joseph  
Peter Arrowsmith

William Lawrence  
Darryl Nettles  
Harold Rahn  
Murray Riley  
Jean Sulc  
Bill Vogelee  
Wade Waters  
Bill Willoughby

##### **Regulators**

Patrick Green, SCDHEC  
Don Siron, SCDHEC

Rick McLeod, Board Advisor  
Mike Schoener, Facilitator

##### **Ex-Officio Members**

Alice Doswell, DOE  
Keith Collinsworth, SCDHEC  
Dawn Taylor, EPA

##### **DOE/Contractors**

Becky Craft, DOE  
Michele Ewart, DOE  
Larry Ling, DOE  
Fran Williams, WSRC  
Chris Bergren, WSRC  
Dan Wood, WSRC  
Brian Looney, WSRC  
Sonny Goldston, WSRC  
David Burke, WSRC  
Joe Carter, WSRC  
Teresa Haas, WSRC  
Dawn Haygood, WSRC  
Lyddie Broussard, WSRC  
Paul Sauerborn, WSRC  
Kelly Way, WSRC

#### ***Facilities Disposition & Site Remediation Committee***

Perry Holcomb stated that the following presentation is in response to a CAB recommendation, which asked that an update be given relative to this project and any future deployments. He stated that the Dynamic Underground Stripping (DUS) project is a fine example of source cleanup of solvents.

#### **Dynamic Underground Stripping (DUS) Projects**

Chris Bergren, Bechtel Savannah River Inc., provided a brief overview of the A/M area remediation, DUS first deployment results, Phase I post characterization microbiological results, and an update on the second DUS deployment (see attachment). Mr. Bergren highlighted the following remediation history of A/M Area:

- Chlorinated solvent discharges into A/M area soils totaled approximately 3.5 million pounds
- Phased remediation and characterization program has been ongoing since the 1980's. To date, over 1.4 million pounds of solvents have been extracted from the subsurface
- Cleanup is driven by the RCRA Part B permit
- Plume containment technologies are pump and treat, soil vapor extraction and recirculation wells
- DUS has been successfully performed at a known source area of DNAPL's with approximately 70 thousand pounds of Volatile Organic Compound (VOC) removed

Dynamic Underground Stripping was developed by Lawrence Livermore National Laboratory (LLNL) and University of California, Berkeley with DOE funding. It is a patented process used to remediate free phase VOC's either above or below the saturated zone and does not require precise VOC location.

DUS greatly accelerates groundwater cleanup by injecting steam. Electrical Resistance Tomography in combination with thermocouples are used for imaging to monitor progress of heating fronts.

Mr. Bergren presented the following results of the Solvent Storage Tank DUS Project:

- Area encompassed 1.3 million cubic feet of treatment zone targeting area of confirmed DNAPL presence
- Full operational status in September 2000
- Completed active operations in September 2001
- Phase I post-characterization activities completed in February 2003
- The DUS technology did not sterilize the subsurface of bacteria
- DUS did effect and alter the bacterial population and physiological response of the bacterial communities of the subsurface
- There has been a shift in the portion of the bacteria able to live at temperatures greater than 60 degrees Celsius. More bacteria were able to grow at these higher temperatures than those not exposed to the DUS heating at the control sites

Mr Bergren stated that the objective of the Western Sector was part of the overall groundwater strategy within M-Area to remove and/or destroy source term DNAPL to reduce the effort and schedule of pump and treat and vapor extraction methods. The M-Area settling basin received an estimated 2 million pounds of waste VOC's. The Western sector area encompasses 10 million cubic feet of treatment zone targeting an area of confirmed DNAPL presence. The design employs an innovative design with angled injection, extraction, and monitoring wells, with all permits secured and construction is underway. The estimated mass removal is approximately 1 million pounds of solvents.

Mr. Bergren concluded by noting that full design was completed May 15, 2002. Drilling began July 17, 2003 and is 75% complete. The mechanical contract was issued August 28, 2003 and the steam-line is expected to be mechanically complete in September 2004. The technology goals of

the DUS project are to aggressively remove/destroy known DNAPL and to protect the RCRA cap.

#### Monitored Natural Attenuation/Enhanced Passive Remediation Recommendation (MNA/EPR)

Perry Holcomb presented a draft motion regarding MNA/EPR (see attachment). He indicated that a presentation on the MNA/EPR had been made to both the committee and the CAB in September. There was some minor discussion and no changes to the draft as presented.

#### **Strategic and Legacy Management Committee**

Mel Galin stated that Recommendation 157 was adopted to ensure the CAB was provided with the proper information to make intelligent decisions and has served the CAB well. He planned to discuss the closure of the recommendation at the CAB Executive Committee meeting.

#### Draft Historic Preservation

Mr. Galin introduced the subject of historic preservation. He stated that this is an important issue, especially to the people who worked at the site. The Historic Preservation Programmatic Agreement (PA) and the Cultural Resources Management Plan (CRMP) have been distributed for public comment. The deadline for public comment is December 6. A meeting is scheduled for December 10 to review the PA and try to resolve issues. Mel Galin will attend the meeting and represent the CAB. It was requested

that if anyone had comments on the PA or CRMP they should submit them to Jim Moore or Mel Galin. He introduced Walt Joseph of Citizens For Nuclear Technology Awareness to provide a brief presentation (see attachment)

Mr. Joseph explained that after two public meetings on historic preservation, the Citizens for Nuclear Technology Awareness (CNTA) formed a committee to consider developing an SRS museum. SRS is the only site in the complex without some form of museum or plans for one. The committee picked two buildings to be considered, one as a possible museum, and one for the artifacts that it contains. The committee is meeting regularly to develop a strategic plan, develop the scope of work for a museum and review the D&D list and artifact list. At this time, the committee has requested a tour of Buildings 777-10A and 717-F. The CNTA has also applied for Consulting Party status on historic preservation but has not heard from the State or DOE yet.

During a question and answer session, Mr. Joseph stated that the CNTA committee was still developing the scope of work for a museum but is considering the model used at Rocky Flats. A 20,000 square foot building should be adequate. The committee is collecting information on museums at other sites and funding for them. At this time, there is no funding source identified for a museum. It was pointed out that the museum under consideration at the Nevada Test Site has funding from the Bechtel Foundation and the Smithsonian, and that CNTA should not wait to solicit financial support for an SRS museum from sources, such as Dupont. It was also requested that other museum locations other than the SRS Site be considered. It was suggested that the CNTA work fast to develop this information so that there is no delay in the D&D

schedule. Mr. Joseph stated that the CNTA is hoping that any buildings that have historic value not destroyed before the information is developed.

The CAB reviewed the draft recommendation. Comments received were incorporated into the recommendation and it will be presented at the full CAB meeting on Tuesday, November 18.

### ***Waste Management Committee Report***

#### **Inspector General Waste Solidification Building Report**

Waste Management Committee Chair Bill Willoughby presented a draft motion regarding the Inspector General Report on the Waste Solidification Building (see attachment). With construction scheduled to begin in December 2004, there needs to be a coordinated effort between EM and the National Nuclear Security Administration to resolve the issue of WSB wastes as to which organization is responsible for the disposition of this waste. The motion recommended that the DOE Secretary resolve this issue and if DOE-SR is assigned the disposition of WSB-treated waste, then DOE-SR formally include the task in the site's long-range plan and develop a cost and schedule baseline for its disposal. The motion also recommended that DOE-HQ ensure communications between DOE-EM and DOE-NNSA and their stakeholders where overlapping responsibilities occur. Perry Holcomb questioned the accuracy of the statement that was taken directly from the Audit and placed in the recommendation. The attendees unanimously agreed to remove the following statement because of its inaccuracy, "low-level liquid waste would be stored in the HLW tanks at SRS, treated in the ETF, and then disposed of in Saltstone; the solid LLW would be disposed onsite at SRS; TRU wastes will be shipped to WIPP."

#### **Burning Paper Pellet Update**

Mr. Willoughby presented a second draft motion regarding burning of paper pellets in the A-Area boilers (see attachment). This motion recommended that DOE-SR ensure that HQ is aware of the project and the successful cooperation between SRS and DHEC; disseminate press releases ; and consider publishing articles about the project in technical periodicals. There was consensus that not only was this a good recommendation, but also the cost savings and environmentally friendly concept were added positives.

#### **Legacy PUREX letter**

Members considered a letter (see attachment) to DOE-SR Manager Jeff Allison commending SR on strides being made to treat PUREX waste and extending appreciation to DOE and SCDHEC for working together to resolve the disposition of the legacy PUREX waste.

### ***Nuclear Materials Committee Report***

#### **Welcome and Introduction**

Jerry Devitt, NMC Chair, opened the NM portion of the meeting with an invitation to all CAB members to the next meeting of the Nuclear Materials Committee, which is scheduled for

Monday, December 8, 2003, 5:00 PM at the Aiken Federal Building. The agenda for the meeting includes presentations on the HEU Blenddown Project and the HB-Line Neptunium Project.

Mr. Devitt advised the committee that he is in receipt of the DOE responses to Recommendation 170, "EM Owned Plutonium (Pu) Storage and Disposition at SRS" and Recommendation 171, "National Environmental Policy Act (NEPA) Implementation." He stated that he was not satisfied with either response and will continue to track the issues before making a determination of what action to take.

He stated that the purpose of this meeting was to discuss in detail a draft recommendation for Pu Storage in 235-F Facility and a draft recommendation for DOE Spent Nuclear Fuel (SNF) Disposition at SRS.

#### Recommendation – Pu Storage in 235-F Facility

Mr. Devitt stated that FB-Line has installed high-temperature furnaces and packaging equipment to stabilize legacy materials. These activities will continue until 2006 when FB-Line is scheduled to suspend operations. Plans call for a similar Pu stabilization and repackaging capability in 235-F, but it will not be available until 2007. His committee is concerned about closing an existing facility before another one is available to fulfill its operation, and for this reason, the recommendation had been drafted.

When Mr. Devitt opened the floor for questions and discussion, Wade Waters said that he had concerns about this issue and had discussed it further since the October committee meeting with program representatives. John Dickenson was called upon to provide more information about the Pu activities.

Mr. Dickenson reminded the committee that the activities in FB-Line were focused on stabilizing legacy materials. Mr. Dickenson stated that all Pu at SRS would be packaged into 3013 containers prior to the deactivation of FB-Line. He explained that under the DOE-STD-3013, Pu-bearing materials are safely packaged and stored in containers for up to 50 years. He said the standard also requires ongoing surveillance of the containers. According to Mr. Dickenson, this surveillance capability will be established in 235-F during 2005. In the remote possibility that there is a need to open any 3013 container to re-stabilize the Pu, this activity would be performed by equipment to be installed in 235-F. If this activity were needed prior to the installation of the equipment in 235-F, Mr. Dickenson said the capability exists for the 3013 container to be opened and the material stabilized within H Area facilities.

After further questioning, Mr. Devitt proposed to modify the recommendation to ensure that interim capabilities are maintained until these activities are in place in 235-F.

#### Recommendation – DOE SNF Disposition at SRS

Mr. Devitt introduced the second recommendation as one that was driven by a concern that while SRS was continuing to receive SNF, DOE had not made a decision for its ultimate disposition.

Dan Wood was called upon to explain several points relative to some of the options that were under current consideration.

According to Mr. Wood, the fuel swap with Idaho was planned when the Melt and Dilute process was being pursued. He stated that this fuel swap didn't substantially change either site's inventory but given the post-9/11 concern about nuclear materials shipments, the swap was no longer high among DOE's priorities. He also explained the advantages of the domestic fuel receipt program. Mr. Wood gave several examples of universities with research reactors that have or will be shipping their SNF to SRS. He stated that most believe it is in our nation's best interest to allow other domestic research reactors to ship their SNF to the extremely secure environment provided by SRS. When asked about current storage capacity, Mr. Wood explained that all spent fuel at SRS is now consolidated into L Basin. This facility is currently about two-thirds of its capacity but rack expansion is underway. Heat load in the basin is very low and not a safety concern. He responded to additional questions about the safety analysis of the basin and the treatment of SNF.

The committee asked several questions about the preferred option for the disposition of SNF. Mr. Wood explained that the melt and dilute technology, canyon processing, and direct disposal had been evaluated and were all technically feasible. The ship "as is" option would require further analysis. The ensuing discussion led to a review of the key points in the recommendation. Wade Waters stated that he felt the CAB should take a stand on having DOE make a decision and he was in favor of direct disposal because it is already analyzed as a safe alternative and the waste generated by this approach is less than canyon processing. He felt that Melt and Dilute was an untried process that is not ready, and the ship "as is" option to the repository would require new capability to be built at Yucca Mountain. He felt that the ship "as is" was very questionable since it has not been fully analyzed and requires another expensive and time-consuming Environmental Impact Statement.

As a result of the discussion, Mr. Devitt modified the recommendation in preparation for the next day's meeting. Mr. Devitt requested if the public or any committee member had any other comments at this time.

With no other public comments, the meeting was adjourned at 5:00 PM.

### **Tuesday, November 18, 2003 Attendance**

#### **SRS CAB Members**

Donna Antonucci  
Jennifer Barrington  
Leon Chavous  
Gerald Devitt  
Mary Drye  
Mel Galin  
Perry Holcomb  
Bill Lawless  
William Lawrence

Darryl Nettles  
Harold Rahn  
Lola Richardson  
Murray Riley  
Jean Sulc  
Bill Vogelee  
Wade Waters  
Bill Willoughby  
Gloria Williams Way

#### **Ex-Officio Members**

Alice Doswell, DOE  
Keith Collinworth, SCDHEC  
Dawn Taylor, EPA

#### **DOE/Contractors**

Jeff Allison, DOE  
Becky Craft, DOE  
Larry Ling, DOE  
Dave Geiser, DOE-HQ

**Stakeholders**

Bob Meisenheimer  
Ranowul Jzar  
Walt Joseph  
Paula Joseph  
Peter Arrowsmith  
Gerald Teaston  
Don Kantor

**Regulators**

Kim Newell, SCDHEC  
Patrick Green, SCDHEC  
Don Siron, SCDHEC  
Chuck Gorman, SCDHEC  
Ted Millings, SCDHEC

Wade Whitaker, DOE  
Bill Johnson, WSRC  
Jack Devine, WSRC Polestar  
Fran Williams, WSRC  
Dan Wood, WSRC  
Sonny Goldston, WSRC  
David Burke, WSRC  
Joe Carter, WSRC  
Teresa Haas, WSRC  
Dawn Haygood, WSRC  
Lyddie Broussard, WSRC  
Paul Sauerborn, WSRC  
Jim Moore, WSRC  
Kelly Way, WSRC

SRS CAB members Meryl Alalof, Ann Dalton, Wendell Lyon, Dorene Richardson and Carolyne Williams were unable to attend. The meeting opened with Alice Doswell, DOE, serving as Designated Federal Official. Mike Schoener served as facilitator and the Board's Technical Advisor Rick McLeod was also present. The meeting was open to the public and posted in the *Federal Register* in accordance with the Federal Advisory Committee Act.

***Approval of the Minutes***

The September meeting minutes were approved with no changes.

***Agency Update***

Alice Doswell, DOE, provided an update on the EM FY04 Budget and planned accomplishments (see attachment). She also noted that the Board would receive a draft Risked Based End State in December for public comments. DOE-SR must submit a final plan to DOE-Headquarters in January 2004.

Dawn Taylor, EPA noted work with SR on Risk Based End States and Keith Collinsworth, SCDHEC announced that Lewis Shaw, Deputy Commissioner of SCDHEC since 1984, was retiring effective January 16, 2004.

HLWLjhlwhlw

***Public Comment***

Bill Lawless commended Lewis Shaw and the work he has done at SCDHEC as an able representative of the citizens of South Carolina.

***Chair Update***

Wade Waters ask DOE-SR Manager Jeff Allison to address Headquarters guidance on Board administration. He noted guidance was received on October 31 that was the result of a number of meetings. No changes will be made in FY04, however for FY05 and beyond, DOE-SR has been directed to make a change. There are two options- to incorporate as a non-profit organization or full DOE federal management support. Board members asked why the Assistant Secretary didn't

sign this latest guidance. They also stated concern that there were not really two final options, only one since incorporating was not a viable option. There was concern that the SRS CAB would lose independence under this option. Mr. Allison was asked to address rumors that the ultimate goal of this guidance is to shut down the SSABs and provide employment for DOE federal workers. Mr. Allison said he was not aware of any plans to shut down the Boards and DOE wants the contractor to focus on accelerated cleanup and could take some administrative burden from the contractor. Board members stated that the incorporation option was not fair to citizens and there are independence issues involved with DOE management of the CAB.

Wade Waters provided an update on the SSAB Chairs meeting held in late September in Paducah, Ky (see attachment). He also provided his point of view on the current situation with CAB Administration. Board members discussed the need to respond to the new guidance. Mel Galin moved the Executive Committee prepare a response to DOE-Headquarters and route to the full Board for consideration. The Board will hold a special session to be held in conjunction with the January CAB meeting to further deal with this issue. Harold Rahn seconded the motion. The motion was adopted unanimously by the Board.

#### ***Facilitator Update***

Mike Schoener presented the Recommendation Summary Report (see attached). Twenty recommendations are pending, seven open and 147 closed. The Board is awaiting two responses from SCDHEC. Bill Lawless asked that the summary slides of the Recommendation report be expanded to list by committee which recommendations are pending and open and which are awaiting agency responses.

#### ***Facilities Disposition & Site Remediation Committee***

FD&SR Committee Chair Perry Holcomb presented a draft motion regarding Monitored Natural Attenuation and Enhanced Passive Remediation (see attached). It recommended that DOE-HQ and SRS disseminate the current successes of MNA/EPR to stakeholders across the DOE complex to build a foundation of trust concerning the new approach and identify ongoing, possible or planned uses for SRS by March 22, 2004. It also recommended that SRS determine how aggressive technologies, such as in situ heating and insitu chemical destruction methods, affect subsequent use of MNA/EPR in cleanup of reduced contaminant concentrations in the same vadose zone and or groundwater plume and begin to report the findings of the investigation by March 22, 2004. It recommended continued agency cooperation and requested periodic updates. Bill Voegel moved the Board adopt the motion and Bill Lawless seconded. The motion passed with a unanimous vote.

#### ***Nuclear Materials Committee***

Nuclear Materials Committee Chair Jerry Devitt presented a draft motion regarding Plutonium Storage in 235-F Facility (see attachment). It recommends that DOE verify funding availability for the 3013 Container Surveillance Project in Building 235-F and provide documentation to demonstrate its availability on or before January 26, 2004. It also recommends that DOE ensure the capability for interim disposition and repackaging is available until the capability is established in Building 235-F and that DOE maintain an interim surveillance capability in compliance with the 3013 standard. Bill Voegel moved the Board adopt the motion and Bill Lawless seconded. The motion passed by a unanimous vote.



Jerry Devitt presented a second draft motion regarding DOE Spent Nuclear Fuel Disposition at SRS (see attachment). Mel Galin commented that none of the options stand out, but unfortunately the CAB is recommending one of these options. He suggested new language for the motion for DOE to expeditiously determine the preferred technology for use with SNF as well as the most cost-effective alternative and report these results to the CAB. There was a great deal of discussion regarding whether to revise the recommendation. The Board agreed to recommend the direct disposal option, however added a request for cost details for implementation by March, 2004. Bill Lawless moved the Board adopt the motion and Mary Drye seconded. The motion passed by a vote of thirteen members in favor and five abstentions.

### ***Strategic & Legacy Management Committee***

Bill Johnson, WSRC Executive Vice President, provided an update on SRS Gold Metrics (see attachment). Mr. Johnson discussed the development of "Gold Metrics," and discussed performance measures for fifteen gold metrics and progress made in FY03 in each of these programmatic areas. The following progress was made:

- 54 of 120 planned certified DOE 3013 containers plutonium metal or oxide packaged
- 146 of 225 planned certified containers enriched uranium packaged ready for long term storage
- 39 planned and 99 actual plutonium and uranium residues packaged and ready for disposition
- 4551 of 1815 planned metric tons of depleted and natural uranium packaged suitable for disposition
- No liquid waste of 700,000 gallons planned eliminated because of a permit modification to allow processing and disposal of low curie salt has not been approved
- No liquid waste tanks closed and none planned
- 115 of 130 planned high level waste canisters ready for disposal
- 1.972 of 1.567 planned spent nuclear fuel packaged for disposition
- 1,263 of 840 planned cubic meters of transuranic waste shipped to Waste Isolation Pilot Plant
- 12,682 of 11,013 cubic meters planned low level and low level mixed waste disposed
- Two nuclear facilities have reached end states and none planned
- 23 of 21 planned number of industrial facilities that have reached end state
- 23 of 13 planned remediations complete require long term stewardship

*Note that in a number of cases the accomplishments have exceeded the planned goals.*

Mr. Johnson concluded by highlighting the major accomplishments in 2003 and noting that overall, accelerated closure at SRS continues to build momentum. Board members asked clarifying questions regarding each programmatic area.

S&LM Committee Chair Mel Galin presented a draft motion regarding an SRS Visitor Center and Museum. It endorses the concept of an SRS Visitor Center and Museum and recommends that DOE identify a contact person immediately and provide timely support to CNTA's development of a strategic plan and scope of work for an SRS Visitor Center and Museum at SRS or another appropriate site. It also recommends that DOE facilitate CAB and SRS review of

the strategic plan and schedule a site visit for a CNTA representative of the Pile Physics Laboratory before December 8, 2003, to review the historical value of the buildings and its artifacts. It also asks DOE to grant consulting party status to CNTA with regard to historic preservation at SRS with an understanding that CNTA's involvement and response be timely and not impede the progress of the actions covered in the Programmatic Agreement. Board members asked questions regarding the condition of Building 777-10A and the deactivation and decommissioning schedule of several buildings. Following several minor modifications, Bill Lawless moved the Board adopt the motion and Murray Riley seconded. The motions passed by a unanimous vote of 18 members in favor.

### ***Public Comments***

#### **Introduction of Candidates for Membership**

Don Kantor, Okatie, S.C.

Mr. Kantor commented that CAB work is paramount. He is a downstream citizen who appreciates the information disseminated by the CAB.

Cassandra Norman Henry, Denmark, S.C.

Ms. Henry commented on the importance of the CAB and noted her concerns as a citizen for the environment and children.

Pete Arrowsmith, Savannah, Ga.

Mr. Arrowsmith provided a brief summary of his background and expressed his desire to serve on the SRS CAB.

Ranowul Jzar, Savannah, Ga.

Ms. Jzar works with Citizens for Environmental Justice and noted their current work with DOE. She noted her desire to benefit from being a member on the CAB.

Bob Meisenheimer, Hilton Head, S.C.

Mr. Meisenheimer noted his impressions regarding the SRS CAB and commended them for their involvement in DOE issues. He briefly discussed his background and asked for consideration in the upcoming election.

### ***Strategic & Legacy Management Committee continued***

Dave Geiser, DOE Headquarters provided a presentation on Legacy Management. The mission of this department is to manage the effects of changes in the Department's mission requirements and ensure the future protection of human health and the environment. Mr. Geiser discussed the department's vision and goals, which are to protect human health and the environment through effective and efficient long term surveillance and maintenance and preserve and protect legacy records and information. Other goals are to support an effective and efficient work force

structured to accomplish departmental missions, and assure worker pension and medical benefits; manage legacy land and assets, emphasizing safety, reuse and disposition; and mitigate community impacts resulting from the cleanup of legacy waste and changing departmental missions. Mr. Geiser emphasized that Legacy Management is more than long term stewardship. He discussed long-term surveillance and maintenance and the number of sites transferring to Legacy Management. Legacy Management has been organized to ensure a successful handoff of sites from EM to LM. LM-40 is the Office of Policy and Site Transition. LM-1 and EM-1 will meet on a regular basis to discuss the status of site transfer for the EM closure sites, said Geiser.

Mr. Geiser shared the Office of Legacy Management organization chart and provided a predecisional draft of the Legacy Management Strategic Plan "Managing Today's Change, Protecting Tomorrow's Future." Board members asked questions about various sites under LM; LM involvement at SRS; records management, land and asset reuse and public availability of documents.

### ***Waste Management Committee***

Waste Management Committee Chair Bill Willoughby presented a draft motion regarding the Inspector General Report on the Waste Solidification Building (see attachment). With construction scheduled to begin in December 2004, there needs to be a coordinated effort between EM and the National Nuclear Security Administration to resolve the issue of WSB wastes as to which organization is responsible for the disposition of this waste. The motion recommended that the DOE Secretary resolve this issue and if DOE-SR is assigned the disposition of WSB-treated waste, then DOE-SR formally include the task in the site's long-range plan and develop a cost and schedule baseline for its disposal. The motion also recommended that DOE-HQ ensure communications between DOE-EM and DOE-NNSA and their stakeholders where overlapping responsibilities occur. Bill Lawless moved the Board adopt the motion and Mel Galin seconded. The motion passed by a unanimous vote of 18 members.

Mr. Willoughby presented a second draft motion regarding burning of paper pellets in the A Area boilers (see attachment). This motion recommended that DOE-SR ensure that HQ is aware of the project and the successful cooperation between SRS and DHEC; disseminate press releases ; and consider publishing articles about the project in technical periodicals. Bill Lawless moved the Board adopt the motion and Jerry Devitt seconded. The motion passed by a unanimous vote of 18 members in favor.

### **Legacy PUREX Waste Treatment Update**

Mike Simmons, DOE, provided a presentation on Legacy PUREX Waste Treatment (see attached). PUREX waste was being treated in the Consolidated Incineration Facility until operations were suspended in 2000 due to cost considerations. Alternative treatments were identified for all mixed waste streams, except PUREX. The SRS CAB formed a focus group to follow the technical solutions considered for PUREX waste. A systems engineering evaluation was conducted that identified solidification as a viable alternative to thermal treatment.

Regulatory approval for the alternative treatment is being sought. The regulators have verbally indicated there are no issues with SRS's conclusions. SRS is procuring transport containers for

shipment, which are scheduled for delivery to SRS in December 2003. Three proposals were received, none of which were from the U.S. A company in South Africa is providing the transport canisters. Mr. Simmons discussed the Organic Waste Mixing Study, the various forms of PUREX waste and aqueous PUREX waste. Aqueous PUREX waste will be treated at the Effluent Treatment Project. He concluded by noting that both PUREX phases have a clear path forward for disposal.

The SRS CAB considered a letter to DOE-SR Manager Jeff Allison commending SR on strides being made to treat PUREX waste and extending appreciation to DOE and SCDHEC for working together to resolve the disposition of the legacy PUREX waste. Bill Lawless moved the Board send the letter as amended during the board meeting and William Lawrence seconded. The letter was approved unanimously.

### ***Administrative Committee Report***

Officer Elections and Presentation of 2004 Membership Candidates

Jean Sulc was elected Board Chair for 2004-2006 and Mel Galin was elected Vice Chair.

Administrative Committee Chair Lola Richardson presented the following candidates for membership in 2004. Elections will be held on January 27, 2004.

#### **Position 1**

Jean Sulc, St. Helena Island, S.C. (I)  
James Learnard, Graniteville, S.C.

#### **Position 2**

Ann Dalton, Augusta, Ga. (I)  
Karen Patterson, Aiken, S.C.

#### **Position 3**

Carolyn Williams, Barnwell, S.C.  
Bob Meisenheimer, Hilton Head, S.C.(I)

#### **Position 4**

Bill Willoughby, Columbia, S.C. (I)  
Malcom Page, Augusta, Ga.  
Peter Arrowsmith, Hilton Head, S.C.

#### **Position 5**

Perry Holcomb, North Augusta, S.C. (I)  
Cy Bannick, Augusta, Ga.  
Don Kantor, Okatie, S.C.

#### **Position 6**

William Lawrence, Aiken, S.C. (I)

James Campbell, Augusta, Ga.  
John Roberson, Savannah, Ga.

**Position 7**

Gloria Williams-Way, Augusta, Ga. (I)  
Larry Callair, Augusta, Ga.

**Position 8**

Dorene Richardson, Williston, S.C. (I)  
Dorothy Barnard, Evans, Ga.

**Position 9**

Barbara Paul, Pelion, S.C.  
Donnie Ann Beers, Beaufort, S.C.

**Position 10**

Ranowul Jzar, Savannah, Ga.  
Danielle Mackie, Augusta, Ga.

**Position 11**

Cassandra Norman Henry, Denmark, S.C.  
Margie Waters, Hepzibah, Ga.

***Public Comments***

Mel Galin commended Perry Holcomb for his analysis of "Under a Cloud."

***Handouts***

November 17-18, 2003, CAB Agenda

Dynamix Underground Stripping Projects, Chris Bergren, Bechtel Savannah River Inc.

Monitored Natural Attenuation and Enhanced Passive Remediation, Perry Holcomb, CAB

SRS Visitor Center and Museum, Mel Galin, CAB

Status of CNTA Visitor Center/Museum Project

Nuclear News Article, Citizen advocacy for nuclear energy: A road less traveled, Malvyn McKibben

Inspector General Waste Solidification Building Report, Bill Willoughby, CAB

Burning Paper Pellet Update, Bill Willoughby, CAB

Plutonium Storage in 235-F, Gerald Devitt, CAB

DOE Spent Nuclear Fuel Disposition at SRS, Gerald Devitt

Talking Points on the FY04 EM Budget, Alice Doswell, DOE

Planned Accomplishment by end of FY04, Alice Doswell, DOE

Office of Environmental Management organization chart

Letter to Jeff Allison, DOE, dated November 10, 2003, from Wade Waters, SRS CAB

Operations Update, November 2003

Site Specific Advisory Board Chairs Meeting, Paducah, Kentucky

SRS CAB Recommendation Summary

Plutonium Storage in 235-F Facility Final Draft, Gerald Devitt

DOE Spent Nuclear Fuel Disposition at SRS Final Draft, Gerald Devitt

SRS Gold Metrics: An Update, Bill Johnson, WSRC

SRS Visitor Center and Museum Final Draft, Mel Galin, CAB

Inspector General Waste Solidification Building Report Final Draft, Bill Willoughby, CAB

Burning Paper Pellet Update Final Draft, Bill Willoughby, CAB

Legacy PUREX Waste Treatment Update, Mike Simmons, DOE

NEPA Report

SRS CAB Calendar