

**Savannah River Site  
Citizens Advisory Board  
Draft Meeting Minutes  
September 24 & 25, 2007  
Aiken, SC**

**Monday, September 24, 2007, Attendance**

SRS CAB Members

Donna Antonucci  
Manuel Bettencourt  
Franklin Boulineau  
Leon Chavous  
Art Domby  
Mary Drye  
Mercredi Giles  
Judith Green-McLeod  
Stan Howard  
Kuppuswamy Jayaraman  
Ranowul Jzar  
Wendell Lyon  
Robert Meisenheimer  
Karen Patterson  
Wade Waters  
Sarah Watson  
Alex Williams  
Gloria Williams-Way

Agency Liaisons

Patrick McGuire, DOE  
Robert Pope, EPA  
Albert Frazier, GDNR  
Shelly Sherritt, SCDHEC  
  
Regulators  
Heather Cathcart, SCDHEC  
Arthur Collins, EPA

Stakeholders

DOE/Contractors

Craig Armstrong, DOE  
Becky Craft, DOE  
Sarah Comer, DOE  
Gerri Flemming, DOE  
Dawn Gillas, DOE  
Ed McNamee, DOE  
Howard Pope, DOE  
T. J. Spears, DOE  
Sheron Smith, DOE  
Ron Campbell, WSRC  
Ginger Dickert, WSRC  
Sonny Goldston, WSRC  
Paul Sauerborn, WSRC  
Steve Thomas, WSRC  
John Marra, WSRC  
Elmer Wilhite, SRNL  
Mindy Mets, V3  
Debbie Wisham, V3  
Mike Schoener, MAS

Citizens Advisory Board (CAB) Facilitator Mike Schoener opened the meeting by stating the meeting ground rules and inviting participation from the public during the meeting. Members absent from the meeting were Undrey Bostic, Dalton Brannen, Mary Drye, Terry Chaput, Cynthia Gilliard-Hill, Madeline Marshall, and Joe Ortaldo.

Presentation - SRS Contract Acquisition Update

Craig Armstrong, Office of Contracts Management gave an overview of the Savannah River Site (SRS) Contract acquisition strategy. He stated that on December 5, 2005, Deputy Secretary Clay Sell approved two major acquisitions: 1) the Site Management and Operating (M&O) Contract which closed for bidding on May 23, 2007, and is currently under evaluation; and 2) Liquid Waste Program Contract in which the Final Request for Proposal (RFP) was released on September 12, 2007, and proposals are due by December 10, 2007. He stated that part of the strategy was to use Indefinite Delivery/Indefinite Quantity (ID/IQ) contracts for discrete cleanup scope. He explained that SR initiated an approach to increase the amount of DOE-managed small business contracts to remain in compliance with PL-95-507.

Mr. Armstrong detailed the acquisition strategy as follows:

**Small Business Set Asides**

The Challenge: Comply with Public Law 95-507 by increasing direct DOE contracts to small business

- Historical dependence on the Management & Operating Contractors' subcontract small business performance is no longer acceptable
- Recent Small Business Administration findings dictated utilization of small business prime contracts
- Select activities that can be separated from main contracts and performed by small businesses
- Proposed breakouts represent approximately 5-7% of the Management and Operating contract work scope

DOE examined the current M&O contract's work breakdown structure to identify activities that were suitable for DOE direct break-out awards to small business.

Criteria for break-out:

- Mission performance by either contractor would not be affected by the activity
- Most small business activities should be outside the “nuclear fences”
- There must be at least two small business entities capable of performing the service
- Activities needed to be capable of being grouped together for ease of contract management and administration

## **Overall Acquisition Plan**

### 2007 \*

- Information Technology Small Business Contract
- Medical/Health Services Small Business Contract
- Transportation Services Small Business Contract
- Indefinite Delivery/Indefinite Quantity Contracts:
  - Ash pile and clay cap in A-Area

### 2008 \*

- Management & Operating Contract
- Infrastructure Small Business Contract
- Records Management Small Business Contract
- Liquid Waste Contract
- Paramilitary Security Contract

\* **NOTE:** The above dates are forecasting estimates only. Exact acquisition schedules are considered procurement sensitive and are not releasable.

## **Small Business Set Asides**

### Information Management Services

- Computing Infrastructure
- Communications Infrastructure
- Maintenance of Radios, Pagers and Radio Towers
- Security – communications and cyber

### Health & Human Services

- Medical Services
- Injury/Illness Recordkeeping
- HP Calibration/Instrumentation
- Fire Protection Engineering, Fire Test/Maintenance (outside nuclear fence)

### Transportation & Mechanical

- Transportation Services (non-nuclear)
- Fuel Management

### Records Management

- Technical Library Services
- Records Administration
- Historical/Archeological Restoration

### Infrastructure Services

- Asset Management
- Construction Waste Disposal
- Environmental Recycle
- Roads, Bridges, Parking Lots, and Grounds (outside nuclear fences)
- Utilities (Water, Sewer) excludes steam
- Other Utilities – Chillers
- Admin. Buildings Ops/Maintenance and Diesel/Fire Maintenance (A&B Areas)
- Sanitary Solid Waste Programs
- Wildlife Population Control (Deer Hunts)
- Janitorial Services & Pest Control; Grounds Maintenance
- Minor Repair and Alteration of Facilities

Questions following the presentation touched on the details of how small businesses are chosen and how small contracts will integrate and be managed along side the M&O contractor.

**Facilities Disposition & Site Remediation Committee**, *Mary Drye - Chair*

*K. Jayaraman – Vice Chair*

Committee Vice Chair Jayaraman noted the absence of Chair Mary Drye. He informed the members that they were given a flyer publicizing P Reactor workshops times which will be held in October and January. He said this request was in response to CAB Recommendation 248 which was submitted to DOE after the July meeting.

**Presentation - General Separations Area Consolidation Unit Update**

Diana Hannah, Project Manager DOE-SR Area Completion Project gave an overview of the remediation completion progress at the General Separations Area Consolidation Unit (GSACU). She led the CAB through her presentation of the scope and schedule status of the project.

Questions following the presentation touched on the cost of the project and how the boundaries are controlled.

**Waste Management Committee**, *Joe Ortaldo – Chair*

*Art Domby – Vice Chair (Liquid Waste)*

*Alex Williams – Vice Chair (Solid Waste)*

Committee Vice Chair Alex Williams stated that Waste Management held committee meetings on August 21<sup>st</sup> and September 10<sup>th</sup>.

**Presentation – Transuranic (TRU) Waste Inadvertently Dispositioned in Low Level Waste (LLW) Slit Trenches**

Sonny Goldston, Washington Group Savannah River (WSRC), and Howard Pope, DOE-SR, presented information concerning the inadvertent disposition of a small amount of TRU Waste in the E-Area LLW Slit Trenches as follows:

**Background**

- While working to characterize a LLW stream from waste that was originally stored in the TRU waste storage areas, Engineering Staff discovered a data entry error made in early 1980's resulting in five containers with potentially sufficient quantity of transuranic isotopes to be TRU waste being inadvertently dispositioned in the E-Area slit trenches as LLW in 2003.
- This discovery was a result of cross check work to characterize waste packages and it was self-reported by the contractor immediately so that appropriate actions and evaluations could be taken.
- 1970s - Handwritten Burial Ground Slips contained notes that indicated transuranic isotopes were present.
- 1980s - The electronic data system known as COBRA was instituted for Burial Ground slips. Handwritten notes were not included in the electronic database.
- When characterizing waste containers for disposal in June 2007, Engineering Staff noticed the lack of handwritten Burial Ground Note information in COBRA and decided to review them.
- From this review of the handwritten notes, five previously disposed containers were determined to be TRU waste.

**Evaluation**

- 5 TRU containers (legacy from 1970s) dispositioned as LLW
- Slit trench# 3: One concrete cask
- Slit trench# 5: Two 55 gallon drums
- Slit trench# 6: Two containers (one concrete cask, one 85 gal overpack)

- Slit Trenches continue to be protective of the public and environment.
- The dispositioned waste is well within the Performance Assessment limits, and therefore protective of human health and the environment.
- No impact to Safety Analysis.

#### Corrective Actions

- Immediate
  - WSRC and DOE-SR notifications to Senior Management
  - Suspended LLW shipments originating from TRU operations until completion of an “extent of condition” review. Extent of condition review completed with no other issues identified.
  - Additional notifications were made to:
    - The DOE-HQ Low Level Waste Disposal Federal Review Group (LFRG)
      - No immediate actions were requested due to insignificant Performance Assessment impacts.
      - Options identified consistent with similar DOE events.
    - Courtesy notifications to South Carolina Department of Health and Environmental Control (SCDHEC) and the Environmental Protection Agency (EPA).
  - Completed calculation note and demonstrated that DOE Order 435.1 performance assessment objectives continued to be met.
- Near-Term
  - Developed a path forward for retrieval vs. disposal in place.
  - Conducting a formal root cause analysis.
  - Prepared Unreviewed Safety Question (USQ) to address the Safety Basis.

#### Actions to Prevent Recurrence

- Programmatic
  - Burial slips and notes have been scanned and are all electronically available.
  - Engineers must now validate all inputs (e.g. burial notes) in accordance with changes made to Manual E7 (Conduct of Engineering).
- Self-Assessments
  - Facility Evaluation Board (FEB) focus on reviewing waste characterization.
  - Required self-assessments for all waste generators in the area of waste characterization.

#### Retrieval Alternative

- Team has evaluated options to retrieve TRU waste.
  - Preliminary plan of action includes:
    - Removal of approximately 100,000 to 150,000 cubic feet of debris waste
    - Safety basis review
    - Radiological hazards review
    - Industrial hazards review (e.g. sharp metal, concrete).
    - Resource allocation
    - Overall schedule dependent on:
      - Integrity of buried waste containers
      - Actual location vs. estimated location of five containers
      - Weather conditions
      - Integrity of container labeling
      - Ability to safely enter the slit trench and efficiently overpack and extract debris and containers
- Path forward to be determined upon conclusion of evaluation.
- Plan developed by team of experts
  - Led by two experienced Facility Managers and Chief Engineer
    - Field Operations
    - Heavy Equipment Operators

- Rigging and Crane Operations
- Radiation Protection
- Industrial Safety and Hygiene
- Authorization Basis - Safety Analysis

#### Retrieval Plan

- Narrowed search area to locate containers based on an in-depth records review.
  - 600 linear feet of trench
  - 25 foot segments, target most likely 25 foot segment
- Each container that is removed as the likely container must be managed as unvented TRU waste due to hydrogen concerns (flammability).
- Shoring of sides needed to prevent any cave-ins due to side collapsing.
- Full protective clothing and respirators are required to enter the trench to perform hand digging and container rigging for removal of containers.
- Containers may be breached or the retrieval action may cause breaching resulting in a contamination event and airborne release.
- Radiation doses are estimated to range from 4.5 to 27 REM assuming no containers are breached.

#### Retrieval Plan Scope and Hazards

- Scope Items
  - Clean Soil Removal Top three feet of soil excavated with heavy equipment and sampled to verify clean. Moved to storage area and staged for reuse.
  - Contaminated Soil Removal Establish contamination area around trench. Remaining one foot of soil removed using Track Hoe if possible. Soil placed in roll off pans and staged in newly established contamination area for disposal in newly opened trench.
  - Contaminated Rubble from Decontamination and Decommissioning (D&D) Removal Concrete, I-beams, rebar, sheet metal in a soil matrix now exposed. Workers must enter trench to attach rigging for removal. Storage of D&D in a newly designated contamination area or relocated and disposed in another trench.
  - Clean Out Around Target Containers Workers must enter trench for hand digging
  - Remove Containers from Trench Treat all containers as unvented TRU until identified. Workers must enter trench to attach rigging.
- Hazards
  - Heavy equipment near trench - Risk of trench collapse, personnel injury, equipment damage, contamination of heavy equipment and subsequent loss of its use in clean areas.
  - Increased footprint of contamination areas in the Burial Ground for excavated soil and materials.
  - Movement of contaminated D&D waste to new storage or another trench, possible airborne contamination.
  - Risk to personnel - working on unstable soil in full protective clothing and respirators for installation of work platforms and shoring to mitigate wall collapse, airborne contamination, confined space entry, increased worker radiation dose, heat related illness, physical injury, potential breached drum headgas deflagration.
  - Attaching rigging to and moving potentially breached, structurally weak, or breached drums with unknown headgas concentrations.

#### Retrieval Plan Costs and Schedule

Early Finish, Schedule 5 months, Costs \$2.1M

Late Finish, Schedule 30 months, Costs \$11M

- The Early Finish is highly unlikely and is based on:
  - Locating each of the five containers at the first location determined by records review to have the best chance of success.

- All of the container labels are intact.
- No containers are breached.
- Good weather.
- No safety issues are encountered.

#### Disposal In Place Alternatives

- Option #1 - Due to the relatively minor impact to the Performance Assessment (PA) and inadvertent nature of the disposition, a PA Unreviewed Disposal Question Evaluation and/or Special Analysis could be conducted to determine whether the impacts are acceptable.
  - Cost: \$25K - \$50K
  - Schedule: 3 months to complete analysis, 3 to 6 months for DOE review and approval
- Option #2 - DOE has authority per 40 CFR 191 and DOE Order 435.1 for disposal of TRU in a non-Waste Isolation Pilot Plant (WIPP) location.
  - Cost: \$600K - \$700K
  - Schedule: 10 to 12 months to complete analysis, 6 to 8 months for DOE review and approval
- Option #3 - Secretary of Energy (with concurrence of Administrator of EPA) approval that waste does not need the degree of isolation required by 40 CFR 191 and does not need to be considered TRU waste.
  - Cost: \$700K - \$800K
  - Schedule: 10 to 12 months to complete analysis, 12 to 14 months for DOE review and approval
- Protection of the public and the environment must be demonstrated in all 3 options.

#### Impact to Performance Assessment is Minimal

- Based on the Safety Analysis and Performance Assessment, the waste in its current condition does not pose an immediate or long-term concern.
- We are continuing our evaluations so that we can make a thorough and technically competent recommendation.
- Safety of our workers, protection of the public, and protection of the environment are our highest concerns.

#### DOE Oversight and Regulation

- DOE intentionally involved immediately.
  - Ensure Performance Assessment transuranic isotope limits were not exceeded
  - Facility representatives engaged in critique of event
  - Safety Basis evaluation
  - DOE Orders and Requirements evaluation (DOE Order 435.1)
- DOE-HQ Low Level Waste Disposal Facility Federal Review Group per DOE Order 435.1 was informed immediately and is engaged to ensure Performance Assessment impacts are properly evaluated.
- DOE-SR review of Performance Assessment calculations to ensure protection of human health and the environment.
- DOE-SR independently reviewing Safety Basis information to ensure compliance - no Technical Safety Requirement violation has occurred.
- DOE-SR review of retrieval and disposal-in-place options will result in approval of a path forward that is the most cost-effective while ensuring the safety of workers, the public and the environment.
- DOE reviewing WSRC actions for sufficiency.
- DOE will make a decision on which option to pursue based on safety, environmental impact, costs and schedule.
- DOE will keep the CAB informed on progress.

## Draft Recommendation Motion – Inadvertent Disposal of TRU Wastes in the E-Area Trenches

After reviewing the conclusions of the Old Radioactive Waste Burial Ground Focus Groups in 2001, the SRS CAB position was to oppose retrieval of alpha buried wastes from the Old Radioactive Waste Burial Ground (ORWBG). This opposition centered on the fact that any attempt to exhume the waste would be too dangerous to Site workers and the environment and cost prohibitive. Furthermore, such an excavation would also create an additional large volume of a secondary waste stream requiring disposition. The rationale that supports that position also informs this similar situation of inadvertent disposal of some TRU wastes.

In this case (the inadvertent TRU waste disposition in E-Area trenches), the SRS CAB recognizes the limited quantity of waste that would require retrieval and the relatively insignificant and minimal impact of the additional radionuclides to the E-Area PA limits. In addition, the actual quantity of transuranic isotopes in the waste is suspect due to the limited analytical technology at the time of generation and the use of conservative engineering knowledge to estimate TRU concentrations in waste; therefore, the actual classification of the waste (as TRU with concentrations greater than 100 nCi/g) is questionable. The waste under consideration in this current action may actually be better contained and exhibits lower risk than that disposed of between 1955 and 1970 in the ORWBG.

Before the SRS CAB could support any corrective action option related to the inadvertent TRU waste disposal, the SRS CAB needs additional information related to the risks, costs, safety, and environmental impacts of both the retrieval option and the disposal in place option.

### Recommendation

Before a final decision is made by DOE on which option (retrieval vs. disposal in place) will be implemented, the SRS CAB requests the following on or before November 16, 2007:

1. DOE-SR conduct a thorough evaluation of the risks, costs, safety, and environmental impacts associated with both options, justify how each option meets DOE orders and regulations, demonstrate how each option is protective of the public and the environment, and share the results with the SRS CAB.
2. DOE-SR identify the results from the Root Cause Analysis and the necessary corrective actions they will take to prevent the recurrence of any future inadvertent TRU waste disposals and share these results with the SRS CAB.

CAB Members discussed and made changes to the proposed recommendation motion, which would be presented for acceptance at the full CAB meeting the following day, September 25, 2007.

**Administrative Committee**, Gloria Williams-Way – Chair  
Cynthia Gilliard-Hill – Vice Chair

Committee Chair Gloria Williams-Way reported topics brought up at the CAB's July meeting such as student membership, speakers bureau, mentor training and guidelines, CAB website and logo will be discussed at the Process Retreat on October 18, 2007. In addition, she stated that the Administrative Committee will review new member applications on October 17 at the Process Retreat.

**Nuclear Materials Committee**, Manuel Bettencourt - Chair  
Judith Greene McLeod – Vice Chair

Committee Chair Manuel Bettencourt announced that Nuclear Materials committee will hold its next meeting on Tuesday, October 30, 2007, at the Aiken Municipal Center.

**Strategic and Legacy Management (S&LM) Committee**, Madeleine Marshall - Chair  
Wade Waters – Vice Chair

Committee Vice Chair Wade Waters stated that a presentation will be given in November on the Gold Metrics. He stated that the next meeting of the S&LM committee will be November 6, 2007, at the North Augusta Community Center. Items to be discussed include the budget, corporate performance measures, and SRS annual environmental report.

### **Public Comments**

Ranowul Jzar – spoke on behalf of Madeleine Marshall who was unable to attend the meeting. Her comments and questions were:

1) The outrageous process that was followed to bring SREL to closure. 2) How DOE intends to fill the information and confidence gap regarding long-term stewardship of SRS that SREL closure causes? 3) How DOE intends to address the goodwill fissure that SREL closure caused? 4) How DOE can justify ignoring the will of the public in closing SREL? 5) How DOE can justify the perceived negative cost benefit of closing SREL? 6) Whether the “mission critical” process that has supposedly been brought to bear on decision about SREL project is being applied universally across all DOE and EM work?

*~ End of Public Comments ~*

Meeting adjourned at 4:25 p.m.



## **Tuesday, September 25, 2007, Attendance**

### SRS CAB Members

Donna Antonucci  
Manuel Bettencourt  
Undrey Bostic  
Franklin Boulineau  
Dalton Brannen  
Leon Chavous  
Art Domby  
Mary Drye  
Mercredi Giles  
Judith Green-McLeod  
Stan Howard  
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Wendell Lyon  
Robert Meisenheimer  
Karen Patterson  
Wade Waters  
Sarah Watson  
Alex Williams  
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Patrick McGuire, DOE  
Robert Pope, EPA  
Albert Frazier, GDNr  
Shelly Sherritt, SCDHEC

### Regulators

Heather Cathcart, SCDHEC  
Arthur Collins, EPA  
Kim Newell, SCDHEC  
Ted Millings, SCDHEC

### Stakeholders

Carol Connell, ATSDR

### DOE/Contractors

Becky Craft, DOE  
Sarah Comer, DOE  
Dawn Gillas, DOE  
Larry Ling, DOE  
Howard Pope, DOE  
T. J. Spears, DOE  
Rick Arkin, NNSA  
Keith Lawrence, USDA-FS  
Susan Kershaw, USDA-FS  
Caroline Bradford, NSA  
Ron Campbell, WSRC  
Ginger Dickert, WSRC  
Sonny Goldston, WSRC  
Linda Perry, WSRC  
Paul Sauerborn, WSRC  
Steve Thomas, WSRC  
Elmer Wilhite, SRNL  
Mindy Mets, V3  
Debbie Wisham, V3  
Mike Schoener, MAS

Citizens Advisory Board (CAB) Chair Karen Patterson opened the meeting and asked Leon Chavous to lead the Pledge of Allegiance. Mike Schoener served as Facilitator, and Rick McLeod was present as the CAB's Technical Advisor. The meeting was open to the public and posted in the *Federal Register* in accordance with the Federal Advisory Committee Act. Members not in attendance were: Terri Chaput, Mary Drye, Cynthia Gilliard-Hill, Madeleine Marshall, and Joe Ortaldo.

### Approval of the Minutes

The minutes of the July 2007 meeting were approved with no changes.

The Facilitator reviewed the agenda and stated the meeting ground rules.

### Agency Updates

#### South Carolina Department of Health and Environmental Control (SCDHEC)

Shelly Sherritt, SCDHEC, reported that a greater volume of SRSTRU waste had been shipped to Waste Isolation Pilot Plant (WIPP) in New Mexico than received from Batelle Mound. She stated that a recent commitment was fulfilled by DOE in which they received and installed two large glove boxes to handle TRU waste. She said DHEC recently commented on an advance notice from the DOE for an Environmental Impact Statement (EIS) for Greater than Class C Waste. Ms. Sherritt said comments submitted by SCDHEC on the EIS were that because of the current backlog of waste currently awaiting disposition at SRS, SCDHEC doesn't consider SRS a suitable place for storage of additional greater than Class C waste. In addition, she said SCDHEC sent a letter to DOE which elevated a dispute resolution process regarding Tanks 18 and 19 closure date extensions. Ms. Sherritt provided a copy of this letter to the board during the meeting.

Kim Newell, Aiken SCDHEC, updated the board on the Chem Nuclear tritium plume stating that all the public wells in the area tested below the standard drinking water limit for tritium.

#### Georgia Department of Natural Resources/Environmental Protection Division (GA DNR/EPD)

Al Frazier, GADNR/EPD, updated the Board on water issues that continue to be an issue in the state. He stated that a forum was held by the Southeastern Natural Sciences Academy hosted by Savannah River at Risk in which Governor Perdue gave keynote address. In addition, he updated the Board on activities across the state of Georgia.

## Department of Energy

Pat McGuire, was introduced as the acting DOE Deputy Designated Federal Official (DDFO) for the board. He stated that Jeff Allison was not able to attend the meeting. Mr. McGuire updated the board on SRS activities for Mr. Allison.

He stated that Charlie Anderson, Principal Deputy Assistant Secretary for Environmental Management, recently retired from federal service after 17 years. He said that over the past 2-1/2 years, Charlie served at DOE Headquarters, first as the Acting Assistant Secretary. In addition, he stated that Charlie led the DOE Nuclear Materials Disposition and Consolidation Coordinating Committee.

Mr. McGuire informed the board that impacts of the potential Continuing Resolution for the FY08 budget are being evaluated. He also said that on September 10, 2007, Washington Savannah River Company (WSRC) sent out an employee communication on possible Fiscal Year 2008 workforce reductions, stating that the action was taken at the direction of the National Nuclear Security Administration (NNSA) and coordinated with the Office of Environmental Management. He said that this year, because of the different funding levels proposed in the House and Senate budgets, a Continuing Resolution could cause Savannah River Site (SRS) some significant issues in the amount of work that can be performed.

He stated that final Request for Proposal (RFP) for the Savannah River Liquid Waste Contract was released on September 13 as Craig Armstrong, Contracting Director, announced during his presentation yesterday.

Mr. McGuire stated that DOE had received a letter from the CAB's Waste Management Committee commending DOE, EPA, and SCDHEC for the collaborative efforts utilized in reaching a resolution for restoring the Operational Safety Requirements (OSR) Authority for the SRS slit trenches. He also thanked DHEC and EPA, as well as the CAB, for their efforts to reach resolution.

In addition, Mr. McGuire summarized for the CAB comments by Mr. Rispoli's, Assistant Secretary for Environmental Management, at the Citizens for Nuclear Technology Awareness Dinner. He stated that the Savannah River Site would play a viable and robust role for DOE in the foreseeable future. He said he expected H-Canyon to continue for many years. Mr. Rispoli also praised the CAB and the work they do.

Mr. McGuire stated that in response to CAB recommendation #248, adopted at the July CAB meeting, DOE has scheduled workshops on P-Reactor End State -- the first workshop was to be held at the Aiken Technical College Amphitheater on October 16. He said this first workshop will include a discussion on production reactor fundamentals and the performance assessment modeling approach. He stated the second workshop is scheduled to occur in January and the in-situ Alternative Study and a brief explanation of early actions will be covered. He informed the CAB that they will receive more information on these workshops soon.

Mr. McGuire stated that the Salt Waste Processing Facility (SWPF) Project Critical Decisions 2/3A briefing to the Environmental Management Acquisition Advisory Board was conducted on August 28, 2007. He said the briefing to the Energy System Acquisition Advisory Board was conducted on September 10, 2007.

Mr. McGuire informed the board that Deliquification, Dissolution, and Adjustment processing will resume after the conditions of the Consent Order are met and the ongoing Saltstone Processing Facility modifications are completed. He said the subject modifications are scheduled to be completed by October 31, 2007.

He said that on September 5, 2007, the DOE announced its decision to consolidate surplus, non-pit plutonium at SRS. He continued by saying the surplus plutonium to be consolidated at SRS will come from three DOE sites: Hanford, Lawrence Livermore National Laboratory, and the Los Alamos National Laboratory. DOE notified Congress and provided a plan for the disposal of the surplus plutonium once it gets to SRS. He said DOE will begin shipping the surplus, non-pit plutonium to SRS no sooner than 30 days from September 5, 2007, under the plan surplus plutonium shipments are expected to be shipped to SRS by 2010. He stated that DOE is preparing a Supplemental EIS for Surplus Plutonium Disposition at SRS to evaluate the potential environmental impacts of alternative methods to disposition the surplus, non-pit plutonium materials.

Mr. McGuire stated that currently, DOE has received a draft Transition Plan from the University of Georgia (UGA) for Savannah River Environmental Laboratory (SREL). He said that DOE is currently scheduled to meet with UGA

to discuss the plan and will continue to work with SREL and UGA throughout the period of the Cooperative Agreement. Mr McGuire said that DOE would keep the CAB updated when information became available.

He continued by saying that in November 2006, the FBI, DOE-SR, and the Savannah River National Laboratory (SRNL) together cut the ribbon on a first-of-a-kind forensic laboratory dedicated for use by the FBI. He stated that since 1998, SRNL has provided technical support to the FBI in the examination of radioactively-contaminated evidence. In addition, he said since 2001, SRNL has trained the FBI's Hazardous Material Response Team members from across the United States and internationally, FBI agents are trained at SRS and field locations.

#### Nation Nuclear Security Administration (NNSA)

Rick Arkin, NNSA, stated that NNSA is part of the effort in the Source Evaluation Board with the M&O contract along with DOE EM. In addition, he stated that a Request for Information (RFI) was released to industry asking for thoughts, ideas and proposal for ideas on how to run the weapons complex. Mr. Arkin updated the board on the status of NNSA projects.

#### Environmental Protection Agency (EPA)

Rob Pope, EPA, stated that the board will begin seeing proposed plans and records of decision on M-Area closure. He said that DOE should look at retrieval of the inadvertent disposal of TRU Waste in slit trenches. In addition, he said he would like to see public involvement in the options.

#### **Public Comments**

Art Domby – stated that the Gold Metric, specifically closure of liquid waste tanks, goals are misleading.

Bob Meisenheimer – Feels that DOE should put asterisks denoting changes on the Gold Metrics.

Donna Antonucci – Feels the DOE should look at the schedule for the P-Reactor workshops to enable those that work an opportunity to attend the meetings.

Rob Pope – Stated that the 2<sup>nd</sup> public workshop is an evening workshop

Stan Howard – Would like to see the CAB accept the statement made by/for Madeline on September 24 regarding SREL. Several valid issues were brought up. Possibility of tremendous loss of confidence in the oversight of SRS as a result of these action and people in charge do not realize the impact of these decisions.

*~ End Of Public Comments ~*

#### **Chair Update**

CAB Chair Karen Patterson stated that Chair, Vice Chair, and Administrative Committee Chair positions on the CAB will expire this year and asked CAB members to begin considering officers for next year. She also stated that she testified at the SREL Congressional hearings in Washington, DC, to give the public perspective on the SREL events.

#### **Facilitator Update**

CAB Facilitator Mike Schoener provided the Recommendation Status report: 5 recommendations are pending; 22 recommendations are open; 221 recommendations are closed.

Wade Waters, Strategic and Legacy Management Committee, moved to close recommendations 228 and 234.

Mr. Schoener reminded the members of the upcoming Process Improvement Retreat scheduled for October 18 - 19, 2007. He said the Administrative Committee will meet at 1:00 p.m. on October 17. He stated that the Bylaws, which are now the Standard Operating Procedures (SOP), will be discussed at the Process Retreat and that the agenda may be changed based on the time spent on the SOP.

**Strategic & Legacy Management Committee, Madeleine Marshall - Chair**

**Presentation - Cold War Artifacts (CWA) Historic Preservation Update-** Nick Delaplane, Director  
Office of Support Services, DOE

Mr. Delaplane, DOE SR, provided a presentation to the CAB which gave an overview of historic preservation efforts at SRS as follows:

**FY 2006 & FY 2007 Accomplishments**

- M-Area Thematic Study (Fuel and Target Fabrication)
- T-Area Thematic Study (CMX and TNX Savannah River's Pilot Plants)
- A-Area Thematic Study (Site Administration, Safety, Security, and Support)
- D-Area Thematic Study (Heavy Water and Power Facility)
- Tritium Thematic Study (Tritium Facility)
- 777-10A ( Physics Assembly Laboratory) HAER Study (accepted by the U. S. National Archives)
- CWA Program moved under WSRC Public Affairs
- Curator hired (Caroline Bradford of New South Associates)

**Support to the Heritage Foundation**

- Permission granted to publish "SRS at 50"
- Letter of Intent for Building 742-A
- Letter of Intent for Ellenton Walking Trail
- Review Ellenton Tour Options
- Letter of Intent for Barricade Adjacent to Ellenton, SC
- Review Heritage Foundation proposed fence changes at 742-A to support museum
- Various Museum Curator interfaces
- Organize Heritage Tourism Team Meetings
  - State Historic Preservation Office (SHPO)
  - SRS Heritage Foundation
  - DOE
  - SC Heritage Corridor Tourism Office

**Ongoing Activities**

- 315-M Curation Facility cleaned and sealed.
- Developing an artifact loan program for Aiken County Historical Museum.
- 20,000 photographs reviewed for historic documentation.
- Located and documented P-Reactor Neutrino Experiment Artifacts.
- Over 730 facilities walked down, 232 identified as historical, which make up the SRS Historical District.
- Approximately 100 Oral Histories completed.
- Continue to identify and relocate artifacts; photography and collect drawings.
- Catalog and protect existing artifacts (375 to date).
- Approve/Disapprove facility modification requests.
- CWA Program included in SRS Tours Program, SRS overview, and Site News.
- Cold War Artifact Curation Quality Assurance Plan.

**Future Work**

- Reactor Thematic Study (complete in FY2009)
- 315-M modifications
- Relocate artifacts to 315-M Curation Facility
- Research and Development (R&D) Thematic Study
- Separations Thematic Study
- Infrastructure Thematic Study

Ms. Caroline Bradford gave a presentation of artifacts from the facility.

**Waste Management Committee, Joe Ortaldo – Chair**

Committee Vice Chair Alex Williams presented the draft Motion to the board.

Draft Recommendation Motion – Inadvertent Disposal of TRU Wastes in the E-Area Trenches (*the full recommendation can be found on the CAB's web page*).

Stanley Howard listed the following reasons for why he felt the TRU waste containers should not be exhumed from the E-Area slit trenches. He listed the following reasons which he requested be included in the official meeting record:

1. Radionuclide performance assessment limits were not exceeded.
  - a. The allowable limit is set to protect human health and the environment.
  - b. If it is not acceptable, the limit should be changed.
  - c. As is, the worst case scenario for any of the trenches leaves a slit trench at 6% of the allowable limit of Pu 238.
  - d. From an engineering perspective, 6% of the allowable limit is clearly acceptable.
2. A. Safety: Known risk versus unknown risk  
  
B. Safety: Introducing a hazard that is hard to assess, and a removal process that may be hard to accomplish  
  
C: Safety: The condition of debris or containers is unknown.
3. Uncertainty of retrieval of correct containers.
4. Precedence

The motion was summarized by Committee Vice Chair Alex Williams, and presented to the Board for approval. CAB member Leon Chavous moved to adopt the motion, which was seconded by CAB member Gloria Williams-Way. The recommendation passed with a vote of 18 in favor, and no opposition or abstentions.

**Presentation - The USDA Forest Service- A Hundred Years of service 1905-2005** – Keith Lawrence, Forest Manager

Mr. Lawrence, USDA Forest Service, provided a presentation to the CAB which gave an overview of the history perspective of the Forest Service services at SRS from 1951 to present.

**Nuclear Materials**, Manuel Bettencourt - Chair

Committee Chair Manuel Bettencourt reported the committee's next meeting will be on October 30 and the topics will be plutonium storage, H-Canyon operations, and vitrification processes.

**Administrative Committee**, Gloria Williams-Way - Chair

Committee Chair Gloria Williams-Way encouraged members to bring ideas to the October process retreat concerning student membership, speakers bureau, new member mentoring program, and the CAB logo. She introduced new member Dr. Dalton Brannen. She stated that the Administrative Committee will review candidates for the 2008-2010 membership period during the October Process Retreat.

**Facilities Disposition & Site Remediation Committee**, Mary Drye - Chair

Committee Vice Chair Dr. Jayaraman stated that DOE will conduct P-Reactor End State workshops on October 16. He also said the committee held a meeting on August 28.

**Public Comments**

Alex Williams – stated that after the change over of support staff and concerns there were; he feels it's time to say "Thank You" and support the administrative staff that has been given to us.

*~ End of Public Comments ~*

Meeting Adjourned 2:30 p.m.

### **Handouts**

SRS CAB Agenda

Presentation to CAB SRS Contract Acquisition Update, Craig Armstrong, DOE-SR

Presentation to CAB General Separations Area Consolidation Unit Update, Diana Hannah, DOE-SR

Presentation to CAB TRU Waste Inadvertently Dispositioned in Low Level Waste (LLW) Slit Trenches, Sonny

Goldston, WSRC and Howard Pope, DOE-SR

Inadvertent Disposal of TRU Wastes in the E-Area Trenches, Draft Motion

Presentation to CAB Cold War Artifacts Historic Preservation Update, Nick Delaplane, DOE-SR

Presentation to CAB The USDA Forest Service- A Hundred Years of service 1905-2005, Keith Lawrence, Forest Service

SRS Gold Metrics – Through Dec. 2006

SRS CAB Recommendation Status

**Handouts listed herein are available by request from the DOE Reading Room located at the Gregg-Graniteville Library at the University of South Carolina-Aiken, or by contacting the SRS Citizens Advisory Board at 1-800-249-8155.**