



Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting

**Bob Ruud Community Center
Pahrump, NV
5:00 p.m. – May 21, 2014**

Members Present: Kathleen Bienenstein (Chair), Donna Hruska (Vice-Chair), Janice Keiserman, Michael Moore, Edward Rosemark, William Sears, Jack Sybolt

Members Absent: Thomas Fisher, Arthur Goldsmith

Liaisons Present: Christine Andres (State of Nevada Division of Environmental Protection [NDEP]), Richard Arnold (Consolidated Group of Tribes and Organizations [CGTO]), John Klenke (Nye County Nuclear Waste Repository Project Office [NWRPO]), Phil Klevorick (Clark County), Genne Nelson (National Park Service [NPS]), Dan Schinhofen (Nye County Commission)

Liaisons Absent: Matthew Hodapp (The Meadows School), Ralph Keyes (Esmeralda County Commission), Mike Lemich (White Pine County Commission), Charlie Myers (Elko County Commission), Kevin Phillips (Lincoln County Commission)

Department of Energy (DOE): Robert Boehlecke (alternate Deputy Designated Federal Officer [DDFO]), Kelly Snyder (DDFO), Scott Wade

Facilitator: Barb Ulmer (Navarro-Intera [N-I])

Public Signed In: Mike Anderson (Goldfield, NV), Brian Holecheck (Pahrump, NV), Gary and Geneva Hollis (Pahrump, NV), Eddie Jim (Pahrump, NV), Genesee Martin (Pahrump Mirror), Dona Merritt (N-I), Don Neill (Pahrump, NV), Brian Ramsey (Las Vegas, NV), Steve Rosenbaum (N. Las Vegas, NV), Tom Seley (Tonopah, NV), Stuart Smith (Pahrump, NV), James Tallant (Henderson, NV), Mark Waite (Pahrump Valley Times)

Open Meeting/Announcements/Chair's Opening Remarks

Following the Chair's opening remarks, Member Michael Moore moved to approve the agenda as presented. The motion was seconded and passed unanimously.

Public Comment

Eddie Jim commented that the CGTO does not speak for the Pahrump Paiute Tribe and that it is difficult to get public involvement at the NSSAB meetings when the meeting notice is in the newspaper the day of the meeting.

U.S. DOE Update (*Scott Wade, DOE*)

Scott Wade stated that there has been an ongoing dialogue regarding the Consolidated Edison Uranium Solidification Project (CEUSP) material that is currently located in Oak Ridge, Tennessee. Mr. Wade attended the most recent Governor of Nevada/ Secretary of Energy Working Group meeting held in Washington, D.C. in May 2014. Topics included transportation and preparedness, items of interest generated during public meetings held in Las Vegas and Pahrump in November 2013 and various intergovernmental interactions held in November 2013 and January 2014. The DOE is in the process of addressing all of the State of Nevada's questions regarding the CEUSP material. There is not a shipment schedule planned at this time. Also in May 2014, Mr. Wade assisted in briefings to Nevadan Congressmen and their staff to keep them informed on the progress of the Working Group (member briefings were given to Senator Dean Heller and Representatives Dina Titus, Joe Heck, and Mark Amodei and staff briefings were provided to Senator Harry Reid's and Representative Steven Horsford's staff). The next Working Group meeting will be held in August 2014; however, a specific date has not been determined. Mr. Wade highlighted that a tabletop was held in April 2014 to discuss emergency preparedness activities. The State of Nevada has requested that an additional tabletop be planned, and Mr. Wade stated that the focus will be on the preparedness of first responders (i.e., highway patrol, police department, firefighters, paramedics, etc.).

Mr. Wade reported that the DOE began the Yucca Flat External Peer Review in April 2014. He noted the continued dialogue with the NSSAB regarding groundwater activities. This External Peer Review consists of a panel of national experts that review the ongoing work at the site, and he highlighted Mr. John Klenke's involvement on the panel based on an NSSAB recommendation provided to DOE in November 2013. The External Peer Review will continue through the summer of 2014. The review determines whether or not the DOE has an adequate basis for the Yucca Flat corrective action unit to proceed to the next corrective action steps with NDEP. The NSSAB will receive additional updates at upcoming meetings.

Mr. Wade informed the Board that the current waste volume projection for Area 5 Radioactive Waste Management Site is 1.3 million cubic feet for fiscal year (FY) 2014. DOE is on track with this projection and there have been no major incidents, but DOE believes that there is always room for improvement. DOE will seek the input of the NSSAB as well as local communities, including the Nye County Commission, on more effective ways to interact with the public in regard to waste management.

Lastly, Mr. Wade noted personnel changes within DOE and the National Nuclear Security Administration (NNSA). Mark Whitney, formerly the Oak Ridge Manager, was recently named

second in command at Environmental Management Headquarters. Mr. Whitney was in attendance at the public meetings in Nevada, giving him a sense of the public opinion in Nevada that he can utilize while serving in Washington D.C. Lieutenant General Frank Klotz, USAF (Ret) was appointed in April 2014 as the Administrator for the NNSA. General Klotz visited the Nevada National Security Site (NNSS) in May 2014 to learn about programs that support national security.

In response to Board questions, the following clarification was provided:

- A specific date for the first responders' tabletop has not been determined, but most likely it will take place during the summer of 2014. A one-day comprehensive emergency response training session is also being considered in conjunction with the tabletop.

Radioactive Waste Acceptance Program (RWAP) Facility Evaluation Improvement Opportunities (Work Plan Item #7) *(Rob Boehlecke, DOE)*

- **NSSAB Work Plan Item #7**
 - One or two NSSAB members to observe a RWAP Facility Evaluation for understanding and provide a recommendation with process improvement opportunities
- **Background**
 - Cold War-related activities and nuclear research generated LLW at sites across the country
 - DOE is responsible for consolidating and disposing LLW generated by DOE clean-up activities
 - Annually, the NNSS disposes approximately 5% of the total waste generated in the Environmental Management (EM) Program
- **Regulatory Authority for LLW Disposal**
 - Atomic Energy Act of 1954, as amended
 - DOE Order 435.1 and DOE Manual 435.1-1
 - Disposal Authorization Statement
 - Performance Assessment/Composite Analysis (PA/CA) – analysis of the impacts to protect workers and public
 - Disposal Facility Monitoring Plan
 - Closure Plan
 - Maintenance Plan
 - NNSS Waste Acceptance Criteria (WAC)
 - Annual Review of PA/CA
 - Independent review by LLW Federal Review Group
 - Synopsis: Facility Evaluations are one of numerous requirements which allow the NNSS to accept waste for disposal
- **NNSS: Ideal Location for LLW Disposal**
 - Low precipitation
 - High evapotranspiration
 - No surface water
 - No pathway to groundwater
- **Key Terminology**
 - Waste Generator Sites: DOE and Department of Defense (DoD) sites that generate LLW and mixed low-level waste (MLLW) radioactive waste
 - Waste Stream: a waste or group of wastes from a process or a facility with similar physical, chemical, and radiological properties

- NNSW WAC: document that establishes rigorous disposal acceptance criteria for waste generator sites and their proposed waste streams
- Waste Profile: application by a generator to dispose a waste stream at the NNSW that demonstrates compliance with the NNSW WAC
- **RWAP**
 - The RWAP consists of three programs:
 - WAC (Facility Evaluations)
 - Waste Acceptance Review Panel (WARP)
 - Waste Assistance and Technical Support
- **Facility Evaluation Background**
 - Utilizing an annual schedule, every active generator is visited at least once every two years
 - Conducted by certified RWAP personnel at the generator's location in two different manners:
 - Audit – *comprehensive* Waste Certification Program review
 - Review of entire program
 - Multiple day visit – 3-5 days on average
 - Planned – generator receives notification and provides requested program documents for RWAP review before on-site visit
 - Surveillance – *focused* Waste Certification Program review
 - Review of a specific area with limited scope
 - Visit lasts 1-2 days on average
 - Impromptu – generator receives minimal notification for security measures only
- **Purpose of RWAP Facility Evaluations**
 - Facility Evaluations evaluate compliance and implementation for the following program elements:
 - Quality Assurance (QA)
 - Waste Traceability
 - Resource Conservation and Recovery Act (RCRA) Waste Characterization (hazardous waste characterization)
 - Radiological Characterization
- **QA**
 - Verify that generator has an approved site QA Plan demonstrating compliance to the NNSW WAC
 - Verify that generator has an approved NNSW WAC Implementation Crosswalk and performed an annual review of referenced procedures, processes, and methods
 - Implementation Crosswalk – generator's description of how NNSW WAC requirements are met
 - Verify that the generator has the required training to perform self-assessments
 - Verify waste disposal packaging and contents
- **Waste Traceability**
 - Verify waste containers are controlled to ensure integrity and packages not comprised
 - Verify inspections and acceptance testing are conducted
 - Verify containers are properly stored, moved, and shipped
 - Verify control of measuring and test equipment

- **RCRA Waste and Radiological Characterization**
 - Verify that waste characterization methods and procedures employed document the physical and chemical characteristics
 - Verify that generator's waste characterization documentation matches the approved waste profile submitted to DOE
 - Verify that controls are in place to verify and evaluate stabilization methods, packaging, labeling, sealing, separation, segregation, and prohibited item removal
- **DOE Role**
 - Oversees waste acceptance and disposal and approve waste profiles
 - Ensures environmental protection and worker and public safety
 - **Observes and/or conducts shadow assessment of NNSS Federal contractor during Facility Evaluations**
 - Shadow assessment – formal process in which DOE evaluates that contractors are performing Federal duties and responsibilities properly
- **NDEP Role**
 - Oversees hazardous waste management as outlined in the RCRA (includes Federal Facility Agreement and Consent Order [FFACO])
 - Provides joint oversight with DOE by participating in RWAP processes per an Agreement in Principal (AIP)
 - **Attends and observes DOE, NNSS Federal contractor, and generator during Facility Evaluations**
- **NNSS Contractor Role**
 - Reviews waste profiles for compliance with the NNSS WAC
 - Maintains and provides technical support for NNSS WAC
 - **Performs Facility Evaluations (audits and surveillances) and oversees any corrective actions**
 - Verifies the waste can be safely disposed
 - Ensures the disposal facility will continue to meet requirements
 - Ensures environmental protection and worker and public safety
 - Ensures waste originated from DOE or DoD
- **NNSS Contractor General Auditor Training**
 - Required Reading
 - RWAP procedures
 - NNSS WAC
 - Waste generator approval process
 - On-the-job training
 - Checklist review and completion
 - Corrective action plan and objective evidence reviews
 - Classroom training
 - Root cause analysis
 - Auditor/lead auditor classroom training; requires passing score on exam
 - Proficient oral and written communication skills
- **NNSS Contractor Auditor Specific Training**
 - Auditor: participate in a minimum of four RWAP Facility Evaluations under the guidance of a qualified Subject Matter Expert (SME)
 - Lead Auditor: participate in a minimum of two RWAP Facility Evaluations as Lead Auditor (LA) under the guidance of a qualified SME/LA

- **NNSS Contractor Functional Specific Training**
 - Radiological Characterization Auditor: participate in a formal training course in radiation detection, radiochemical analysis, or radioactive waste management
 - Chemical Characterization Auditor: participate in a formal RCRA training course
- **Facility Evaluation Process**
 - Notify waste generator of Facility Evaluation
 - Request program documents for review
 - Review shipment discrepancy log
 - Develop checklist
 - Brief RWAP team of scope & responsibilities
 - Perform interviews of generator personnel
 - Observe work being performed
 - Conduct in-briefing with generator personnel
 - Evaluate and document objective evidence
 - Issue report approximately 30 days after Facility Evaluation
 - Brief generator during exit meeting of any Observations and/or Corrective Action Requests (CARs)
 - Observation – a weakness in a generator’s QA or waste certification program that, if left uncorrected, could result in a condition adverse to quality
 - Requires a written response by generator
 - Maintains approval to ship waste to NNSS
 - CAR – document that tracks deficient (requirements violation) conditions adverse to quality until satisfactorily resolved
 - Requires in-depth investigation by generator
 - Suspends approval to ship waste to NNSS
 - Formal CAR closeout process:
 - Generator determines a root cause based on its investigation
 - Generator provides a corrective action plan (CAP) to DOE that identifies problem and its proposed solution
 - DOE reviews the CAP and accepts or rejects until satisfied that generator has a viable solution
 - RWAP performs on-site verification once CAP is completed
 - DOE approves generator to ship waste after verification determines compliance
 - Process takes approximately 60 days
- **NSSAB Path Forward**
 - Provide DOE a recommendation with RWAP Facility Evaluation process improvement opportunities
 - Recommendation has no official due date
 - Dependent on scheduled Facility Evaluation with NSSAB members
 - Report resulting from Facility Evaluation will take approximately 30 days after site inspection is complete
 - Final resolution of any CARs discovered typically takes at least 60 days
 - Travel funding is available to send two NSSAB members to observe an RWAP Facility Evaluation:
 - Oak Ridge Reservation – Oak Ridge, Tennessee – June 16-19, 2014*

- Argonne National Laboratory – Argonne, Illinois (near Chicago) – July 7-10, 2014*
- *Note: first and last day for travel
- Options: Send one member to Oak Ridge and one member to Argonne **OR** send two members to either Oak Ridge or Argonne
- NSSAB discussion and decision on member attendance

In response to Board questions, the following clarifications were provided:

- NDEP is invited to all Facility Evaluations, and they do attend periodically. A report is generated following the visit and a copy is provided to NDEP.
- In order to verify that the generators have the required training, RWAP reviews the generator's training records as each employee has an individual training record.
- RWAP verifies the process and contents of a certain percentage of the containers at the generator facility during a Facility Evaluation. RWAP also employs real-time radiography at Area 5 to check a certain percentage of the incoming waste.
- The Waste Certification Official for each generator site is required to have the requisite training in order to identify and certify that each waste stream is LLW. Each waste stream must adhere to the NNSS WAC in order to be considered for approval for disposal at the NNSS.
- NDEP reviews every waste profile that is submitted for disposal at the NNSS. Every member of the Waste Acceptance Review Panel must be in agreement before a waste profile is approved.
- If RWAP identifies a concern that necessitates corrective action, the generator is required to conduct a root cause analysis. Upon completion, the root cause analysis report is reviewed by RWAP and Federal staff. After further deliberation which may include additional dialogue, the generator submits a CAP in order to address the newly identified root cause. The CAP requires RWAP approval. RWAP will visit the generator site again to verify that the actions outlined in the approved CAP have been implemented before waste shipments to the NNSS may resume if suspended.
- Any waste generated on the NNSS must be also compliant with the NNSS WAC prior to disposal at the NNSS.
- RWAP verifies that all generator personnel are in compliance with the requirements put forth by the NNSS WAC as well as any generator-imposed requirements.
- Facility Evaluations are typically scheduled for two or three days.

Following Board discussion, Vice-Chair Donna Hruska expressed interest in observing the Facility Evaluation at the Oak Ridge Reservation in June 2014 and Member Janice Keiserman expressed interest in observing the Facility Evaluation at Argonne National Laboratory in July 2014.

Recommendation: NNSS Communication Plan for Groundwater Sampling Results (Work Plan Item #5) (*Kathleen Bienenstein, Chair*)

A draft recommendation letter regarding the NNSS Communication Plan for Groundwater Sampling Results (Work Plan Item #5) was reviewed and discussed by the Board. Member Keiserman moved to accept the draft recommendation letter as written. The motion was seconded and passed unanimously.

Ways to Increase/Enhance Communication Regarding Waste Transportation and Disposal (Work Plan Item #9) *(Kathleen Bienenstein, Chair and Donna Hruska, Vice-Chair)*

Vice-Chair Hruska reported on a tour of the Hanford Site in the State of Washington in conjunction with the spring EM SSAB National Chairs' meeting in April 2014. Tour participants gained interesting historical knowledge of the site dating back to WWII. Vice-Chair Hruska explained that the Hanford Site faces a very complicated cleanup scenario that includes groundwater and contaminant issues. The Hanford Site is actually composed of two offices that oversee river protection and cleanup efforts of the land. A groundwater computer application was demonstrated during one of the meeting sessions. The application utilizes multiple databases from different entities and integrates all of the information into a single database in order for any available information on a particular area on the Hanford Site is accessible through the application. Vice-Chair Hruska stated that a similar program may be beneficial in part or full to other DOE sites.

Chair Bienenstein added that during the tour they observed trucks disposing waste at Hanford's disposal facility. Contaminated soil packaged in what looked like giant garbage bags were offloaded from the trucks into the waste disposal cell and promptly moved around by large earth-moving equipment that broke open the bags and spread the contents. Chair Bienenstein noted that this process of disposal was different than how NNSC disposes waste and thought NNSC had a better practice (all waste containerized).

Chair Bienenstein stated that she participated in an interesting tour of Waste Control Specialists (WCS) in Andrews, Texas in May 2014. She noted that WCS engineered two concrete-lined disposal cells: one for DOE and one for other entities. The DOE pays WCS to dispose of DOE waste. Once that DOE cell is full, WCS will conduct closure activities and deed the land back to the DOE, who then will pay for long-term monitoring.

Following extensive Board discussion, the Board requested that the NNSC Office develop a draft letter with the recommendation that DOE expand communications with Nye County officials in regard to DOE shipping campaigns that might draw community interest prior to them being transported through their communities to the NNSC. The draft recommendation will be further discussed and acted upon at the July 16, 2014 Full Board meeting.

NNSC Recommendation for FY 2015-2016 Membership *(Donna Hruska, Membership Chair)*

Vice-Chair Hruska updated the Board that the Membership Committee interviewed 30 applicants for membership. The committee developed a matrix that prioritized applicants, and the matrix was distributed by email to Board members. The Membership Committee requests that Priority One applicants be given the highest priority and applicants from Priorities Two and Three be selected by DOE to ensure maximum Board balance and diversity. A draft recommendation letter regarding the FY 2015-2016 Membership Drive was reviewed and discussed by the Board. Member Moore moved to accept the draft recommendation letter as written. The motion was seconded and passed unanimously.

Other NNSC Business *(Kathleen Bienenstein, Chair)*

Chair Bienenstein stated that she and Vice-Chair Hruska attended the spring EM SSAB National Chairs' Meeting that was hosted by the Hanford Site, Washington, in April 2014. During the meeting, they participated in the tour discussed earlier. The next day and a half included meetings with the Chairs and Vice-Chairs of the seven other Boards. The Chairs received an EM

Program update by Jack Craig, the Acting Associate Principal Deputy Assistant Secretary. Each board presented their round robin topics. Chair Bienenstein and Vice-Chair Hruska presented the topics that the Board developed at the March 2014 Full Board meeting, which included the NSSAB accomplishments of the Groundwater Open House, the FY 2015-2016 Membership Drive, and the Student Liaison and his project. They also received updates on EM Waste Disposition Strategies and the recent incidents at the Waste Isolation Pilot Project (WIPP) in New Mexico from Frank Marcinowski, Deputy Assistant Secretary for Waste Management.

The following draft recommendation letters were generated during the EM SSAB National Chairs' Meeting:

- Letter #1: Recommends that DOE sponsor an independent examination of the remediation efforts of DOE EM, with the intent of producing products suitable for public viewing for academic/scholastic purposes, and engage the various EM sites in developing and producing such materials, so that local resources may make use of these materials to address local issues and specific concerns. Vice-Chair Hruska moved to endorse the letter. The motion was seconded and passed unanimously.
- Letter #2: Recommends that DOE meet its cleanup obligations by requesting all annual funding required to support cleanup activities and milestones at each site to complete committed cleanup activities, without delay, and expedite milestone establishment, and requests funds for those sites that do not have site end state cleanup milestones in place. Member Jack Sypolt moved to endorse the letter. The motion was seconded and passed unanimously.

Member Bill Sears provided an update on the Yucca Flat External Peer Review that he attended with Vice-Chair Hruska on April 7-11, 2014. He stated that the purpose of the External Peer Review was for external experts to evaluate the work that has been completed by DOE and its contractors at Yucca Flat. Member Sears noted that four of the five days consisted of presentations. Wednesday included a site tour similar to the annual NSSAB tour of the NNSS, although it focused more on the geology and participants were able to view the core samples. During the presentations, participants were provided with a history of Yucca Flat, an overview of the geology of the area, the groundwater flow and chemistry, the amount of contamination, and the amount of new water that flows into the site from the north. Vice-Chair Hruska added that this was only the first meeting of the External Peer Review and the next meeting will be in July 2014.

Member Edward Rosemark provided an update on the Devil's Hole Workshop held at Furnace Creek that he attended with Member Sypolt, Chair Bienenstein, and Vice-Chair Hruska on April 30 – May 1, 2014. He stated that there were many experts in attendance that briefed on many topics involving groundwater, the conservation efforts for the endangered Devil's Hole pupfish, and animal observation on the NNSS. Member Rosemark felt that the 2013 workshop had more speakers, posters, and handouts available. Member Sypolt noted the discussion regarding the design, production, and development of high-efficiency wells. Member Sypolt also discussed the briefing on the Gravity Fault wells and the briefing given involving water resource conservation and management that highlighted the activities at the Ponderosa Dairy. The field trip included the Gravity Fault sites and wells and the research being done. Chair Bienenstein added that the U.S. Fish and Wildlife Service recently recognized three Nevada biologists for their work with the pupfish.

Four letters were provided to Board members for informational purposes:

- Recommendation Regarding Groundwater Open House (Work Plan Item #4) – dated February 19, 2014
- Response to NSSAB Recommendation Regarding Groundwater Open House (Work Plan Item #4) – dated April 3, 2014
- NSSAB Recommendation for FY 2016 Baseline Prioritization (Work Plan Item #6) – dated March 19, 2014
- Response to NSSAB Recommendation for FY 2016 Baseline Prioritization (Work Plan Item #6) – dated March 31, 2014

Chair Bienenstein noted that the Underground Test Area (UGTA) Technical Information Exchange will be held on July 16, 2014 from 12:00 p.m. to 3:00 p.m. at the Nevada Support Facility (NSF) in North Las Vegas. The emphasis will be on future UGTA work. Members interested in attending are asked to notify the NSSAB Office in advance to secure entrance into the NSF.

Vice-Chair Hruska updated the Board on the student liaison project stating that Kathryn Knapp (DOE) provided an EM Overview briefing to approximately 200 high school students at The Meadows School. Student Liaison Matthew Hodapp will be submitting his final report to the NSSAB Office and Vice-Chair Hruska will share that report at the July 16, 2014 Full Board meeting. The NSSAB Office is contacting the Cimarron-Memorial High School regarding applicants for the student liaison position for the next year. Board members are encouraged to provide any point of contacts at high schools in the Las Vegas valley to the NSSAB Office for securing applicants for next year's student liaison.

Liaison Updates

Clark County (*Phil Klevorick*)

Liaison Phil Klevorick reported that Clark County, along with approximately 45 other emergency managers and first responders, participated in the tabletop exercise held in April 2014. As a result, Clark County gained confidence in the secure transportation of DOE special waste streams for disposal to the NNSS. A planning session for another tabletop with the State of Nevada, the Nye County Emergency Management Group, and the Clark County Emergency Management Group is scheduled for June 17, 2014. The implementation of the tabletop exercise will be scheduled at a later time. Clark County attended a tour of the NNSS with the Nevada Legislature Group in April 2014. Liaison Klevorick attended the National Transportation Stakeholders' Forum that focused primarily on the transportation of radioactive waste across country.

Consolidated Group of Tribes and Organizations (*Richard Arnold*)

Liaison Richard Arnold reported that he attended the April 2014 tabletop as an observer. Liaison Arnold visited the NNSS with DOE and Desert Research Institute personnel to monitor and evaluate cultural resources sites. He attended the National Transportation Stakeholders' Forum in which he facilitated the Tribal Caucus to engage tribal participation throughout the country. He participated in discussions with EM Headquarters regarding expanded funding for the Tribal Caucus as a national initiative to support increased interactions with tribes at all levels. Liaison Arnold was invited to participate in the White House session on Climate Change Impacts to Indian Country webinar series on human health and community. He has been working on the State Tribal Governments Work Group, an activity through EM, which will be meeting in Santa Fe, New Mexico, in June 2014. The meeting will include a tour of Los Alamos National Laboratory.

Nye County Nuclear Waste Repository Project Office (*John Klenke*)

Liaison John Klenke reported that the Nye County NWRPO will continue work through the next year with funding for three positions to continue work on water science programs, such as the Water Level Management Program. The Gravity Fault pump test has been suspended indefinitely due to funding. Nye County extended thanks to NSSAB Members that attended the Devil's Hole Workshop.

State of Nevada Division of Environmental Protection (*Christine Andres*)

Liaison Christine Andres reported that she will be attending a meeting in Santa Fe, New Mexico, as a member of the National Governors' Association Federal Facilities Task Force in June 2014. The Board congratulated Liaison Andres as the newly appointed NDEP Chief, Bureau of Federal Facilities.

National Park Service (*Genne Nelson*)

Liaison Genne Nelson stated that Death Valley National Park's primary interest in the activities of the EM Program is the study of contaminant migration that may affect the quality of Park water supplies. Of equal interest are any activities at the NNSS that could impact water quantity that supports Park natural resources. Transportation of waste to the NNSS for disposal is of potential concern to the Park should either the transportation corridors or the nature of the LLW materials transported be changed in the future.

Liaison Discussion Wrap-Up (*Scott Wade, DOE*)

Mr. Wade updated the Board on the recent incidents at WIPP. Personnel have reentered the facility to conduct investigations, but at this point the cause is unknown. It will have long-lasting implications to the Department as the reopening of WIPP may take years and substantial funding. Mr. Wade informed the Board that the NNSS does generate transuranic waste which would ultimately be transported to WIPP, but currently the priority for WIPP is to store legacy not operational waste. Mr. Wade stated that DOE will share several presentations from the National Transportation Stakeholders' Forum and the Waste Management Symposium to NSSAB members, and at the next meeting he will provide an overview and robust discussion of topics covered during the meetings.

Meeting Wrap-Up/Exercise/Assessment/Adjournment (*Barb Ulmer*)

The next Board meeting will be held on Wednesday, July 16, 2014 at 5:00 p.m. at the National Atomic Testing Museum, Las Vegas, NV. At 4 p.m. at the same location, an educational session, *Limitations on Transport Modeling* by Leonard Konikow, Emeritus Scientist with the U.S. Geological Survey, will be held.

Members shared thoughts on improvements/suggestions for future meetings.

Member Keiserman moved that the meeting be adjourned. The motion was seconded and passed unanimously.

Meeting adjourned at 8:17 p.m.