



Nevada Site Specific Advisory Board (NSSAB)

Full Board Meeting

**National Atomic Testing Museum
755 East Flamingos, Las Vegas, NV
5:00 p.m. – July 16, 2014**

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

Members Absent: Arthur Goldsmith

Liaisons Present: Christine Andres (State of Nevada Division of Environmental Protection [NDEP]), Richard Arnold (Consolidated Group of Tribes and Organizations [CGTO]), Ralph Keyes (Esmeralda County Commission), John Klenke (Nye County Nuclear Waste Repository Project Office [NWRPO]), Phil Klevorick (Clark County)

Liaisons Absent: Mike Lemich (White Pine County Commission), Charlie Myers (Elko County Commission), Genne Nelson (National Park Service [NPS]), Kevin Phillips (Lincoln County Commission), Dan Schinhofen (Nye County Commission)

Department of Energy (DOE): Kevin Cabble, Jhon Carilli, Janis Romo, Kelly Snyder (Deputy Designated Federal Officer), Scott Wade

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

Public Signed In: Michael Anderson (Goldfield, NV), Michael D'Alessio (Pahrump, NV), Dennis Dalga (Cincinnati, OH), Nicole DeNovio (Redmond, WA), Aaron Fox (Tigard, OR), Sydney Gordon (Las Vegas, NV), Dona Merritt (N-I), Irene Navis (Las Vegas, NV), Don Neill (Pahrump, NV), Melissa Sandulak (Henderson, NV), Tom Seley (Tonopah, NV), Cecilia Flores Snyder (Las Vegas, NV), Jim Tallant (Henderson, NV), Francisca Vega (Las Vegas, NV), Rampur Viswanath (Las Vegas, NV)

Open Meeting/Announcements/Chair's Opening Remarks

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

Public Comment

There was no public comment.

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

Scott Wade stated that David Huizenga, Acting Assistant Secretary for Environmental Management (EM) for the past three years, has transitioned to the position of Principal Deputy Associate Administrator for the National Nuclear Security Administration (NNSA). Mark Whitney has been assigned the position of Acting Assistant Secretary for EM. The third position in EM is held by Monica Regalbuto who has been nominated by the President for the Assistant Secretary for EM. There has been one confirmation hearing, but the Senate has not voted to finalize her position. Mr. Wade has high confidence that Mr. Whitney and other EM personnel recognize the value and importance of budget continuity for the Nevada National Security Site (NNSS).

Mr. Wade noted that DOE is going through the congressional actions associated with the fiscal year (FY) 2015 budget; no new information is available at this time. Mr. Wade stated that the President requested a \$3.5 million increase for Nevada as part of the FY 2015 budget. One of the budgetary challenges going forward for EM is the recovery efforts for the Waste Isolation Pilot Plant (WIPP). Multiple investigations are being conducted at WIPP. Current information about the WIPP incidents and the recovery activities may be accessed via the WIPP Recovery website at <http://www.wipp.energy.gov/wipprecovery/recovery.html>.

In regard to the Consolidated Edison Uranium Solidification Project (CEUSP) material, Mr. Wade highlighted two major action items generated from the Governor of Nevada/Secretary of Energy Working Group meeting held in May 2014 in Washington D.C. At the request of the State of Nevada, the first action item proposed for DOE was to finalize and publish a *National Environmental Policy Act (NEPA)* document that summarizes the calculated basis and transportation risk for the CEUSP material. DOE has shared several iterations with the State of Nevada of this NEPA document and has incorporated their comments. Once published, the document will be posted on the Nevada Field Office website. The Department will not be seeking public comment as it is not a document drafted for the intent of assisting DOE to choose a disposition, but rather for promoting transparency between DOE and the State of Nevada by providing the basis used in DOE's decision making. The second action item was the request for another tabletop exercise. The first tabletop exercise held in April 2014 prompted additional comments and led DOE to plan a second tabletop exercise to be held on July 23, 2014, that will focus on a low-level waste (LLW) radiological release and how security forces interact with first responders. Mr. Wade clarified that there is no planned shipment date, and these activities are being conducted at the request of the State of Nevada.

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

- Both county and municipal emergency responders were invited to attend the second tabletop exercise.
- Two NSSAB members were invited to observe the second tabletop exercise.

- The media has not been invited to the tabletop exercise as it is focused on assisting emergency management planners to identify procedures, protocols, and the roles of individuals involved; however, the tabletop serves as a practice arena for the personnel who are responsible for notifying the media, question and answer sessions, etc.
- The tabletop exercise will not be open to the public.

NSSAB Recommendation for Radioactive Waste Acceptance Program (RWAP) Facility Evaluation Improvement Opportunities (Work Plan Item #7) *(Donna Hruska and Janice Keiserman)*

Vice-Chair Donna Hruska updated the Board on the Facility Evaluation that she observed in Oak Ridge, TN, the week of June 16 - 19, 2014. She was accompanied by Kevin Cabbie, a federal DOE employee, and the Radioactive Waste Acceptance Program (RWAP) audit team. During the Facility Evaluation, each of the RWAP auditors had individual areas of responsibility: quality assurance, radiological characterization, and waste traceability. Vice-Chair Hruska stated that the purpose of a Facility Evaluation is to determine whether the generator is in compliance with the NNSS Waste Acceptance Criteria (WAC). She noted that this visit was periodic and not in response to a specific event, and Oak Ridge had its last Facility Evaluation performed in 2011. The RWAP auditors selected random shipments to review and the generator provided the necessary files. The Facility Evaluation spanned two full working days. Vice-Chair Hruska reported that she shadowed the waste traceability auditor and witnessed waste packaging procedures, storage, equipment calibration, etc.

Vice-Chair Hruska shared several observations following her involvement with the Oak Ridge Facility Evaluation:

- The RWAP audit team was professional and well-organized and performed an immense amount of work in a two-day period.
- Partially-filled containers sat for unknown periods of time and under high temperatures. This could potentially allow for material of an unlike kind to be used to fill the remaining space of the container--requiring the two types of waste to be characterized separately.
- During an acceptance of a waste shipment at the NNSS in 2013, it was documented that one container was missing five out of 18 bolts and there were bolts lying on the trailer bed. Vice-Chair Hruska suggested that the generator implement a verification procedure for container closure and a mechanism for determining how the bolts came off the containers during shipping. She also suggested an electronic fence on the truck that could alert the driver of any intrusion or tampering of the shipment.
- The NNSS transportation paperwork was very specific in the instructions for the drivers and thorough in the information and maps relating to the acceptable transportation routes to the NNSS. The paperwork documents the time the truck enters the intersection of I-15 and State Route 160.

Member Janice Keiserman updated the Board on the Facility Evaluation that she observed at Argonne National Laboratory (ANL) the week of July 8 - 11, 2014. She was accompanied by Jhon Carilli, a federal DOE employee, and the RWAP audit team. Member Keiserman noted that the ANL Facility Evaluation was conducted in much the same manner as in Oak Ridge; so she did not go into the same detail as Vice-Chair Hruska's report. The three waste streams that were reviewed during the visit were dry active waste, low-level residues, and soils. Member Keiserman provided a slideshow of approved photos taken during the Facility Evaluation.

Member Keiserman shared several observations following her involvement with the ANL Facility Evaluation:

- There are scientists and researchers who may not be familiar with the NNSS WAC from around the world that perform experiments and research at ANL for various periods of time.
- The waste process that the generator currently utilizes seemed very organized and efficient.
- The length of time that some of the waste containers sit prior to being shipped may be months.

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

- Waste is packaged by the scientists/researchers and sent to the generator's Waste Certification Official (WCO). The waste destined to the NNSS is repackaged, and the WCO certifies that the waste is acceptable under the NNSS WAC. Unaccepted materials, such as liquids, are sent elsewhere for disposal.
- Each waste shipment has an anti-tampering device.
- Waste generators are selected randomly for a Facility Evaluation based on waste volume, frequency of shipments, last evaluation, etc.
- The trucks used to haul shipments can be either enclosed vans or flatbed trucks. The items included in the shipment play a large role in determining the truck type.
- The NNSS WAC requirement for LLW is to fill each waste container as much as practical. These waste containers can be filled within any amount of time.

Since several of the NSSAB observations above were directed toward the generator or the transportation company and outside the scope of the work plan item, the Board made the following suggestions to the DOE on ways to improve the RWAP Facility Evaluation process:

- Assess the integrity of containers bound for the NNSS
- Increase unannounced visits to generators
- Review the process for assessing shipping and routing information from the transportation company to ensure that it provides robustness and confidence in NNSS waste transportation information

Member Edward Rosemark moved that the preceding suggestions be drafted by the NSSAB Office into a recommendation to be acted upon by the Board at its September 10, 2014 Full Board meeting. The motion was seconded and passed unanimously.

Recommendation: Ways to Increase/Enhance Communication Regarding Waste Transportation and Disposal (Work Plan Item #9)

A draft recommendation letter regarding ways to increase/enhance communication regarding waste transportation and disposal (Work Plan Item #9) 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.

Student Liaison Project Results for School Year 2013-2014 (Donna Hruska, Membership Committee Chair)

Vice-Chair Hruska presented the results of the student liaison's project for school year 2013-2014 that was submitted by Student Liaison Matthew Hodapp. Student Liaison Hodapp utilized a post-questionnaire to gather results following an assembly held at The Meadows School highlighting EM activities at the NNSS. A suggestion for the Membership Committee to consider is to sponsor a tour of the NNSS for interested high school students.

Waste Management/Transportation Recap (Scott Wade and Jhon Carilli, DOE)

Based on an NSSAB request for a waste management/transportation update for the NNSS, Mr. Wade and Jhon Carilli, LLW Activity Lead, provided a recap highlighting excerpts below from presentations given to Clark County personnel in March 2014, the Waste Management Symposia in March 2014, and the National Transportation Stakeholders Forum in May 2014. The presentations in their entirety are available at <http://www.nv.energy.gov/NSSAB/MeetingMinutes.aspx>.

- **Waste Management Symposia** (Scott Wade, DOE)
 - Premier international conference for the management of radioactive material and related topics
 - Attracts thousands from around the world and is widely regarded
 - Provides education/opportunities in waste management
 - Offers a forum for discussing and seeking cost-effective and environmentally responsible solutions to the safe management and disposition of radioactive waste materials
 - Nevada National Security Site hosts a booth every year to provide information and facilitate open dialogue
- **NNSS WAC** (Scott Wade, DOE)
 - NNSS WAC Contents
 - Section 1 – Purpose/Scope and NNSA/Nevada Field Office (NFO) Responsibilities
 - Section 2 – Waste Generator Approval Process
 - Section 3 – Waste Criteria
 - Section 4 – Waste Characterization
 - Section 5 – Quality Assurance Requirements for Waste Certification Programs
 - Section 6 – Waste Transportation and Receipt
 - Waste Profile Approval Process
 - Items Waste Acceptance Review Panel (WARP) reviews for each profile:
 - Generator/originator facility points of contact information
 - General waste stream process, classification, volume, shipment frequency information
 - Physical/chemical composition, sampling/analysis, characterization, regulatory status
 - Radiological characterization method/process
 - Packaging and container storage, handling, shipping description
 - As-low-as-reasonably-achievable (ALARA) plan, categorical exclusion, performance assessment review

- Section 3 – Waste Criteria
 - Waste package criteria
 - Fissile material limited so that an infinite array will be subcritical
 - Activity limits based on Plutonium-239 Equivalent-grams (PE-g)

Package Type	Package Limit (PE-g)	Shipment Limit
U.S. Department of Transportation (DOT) Type B Certification	Unlimited	Unlimited
DOT Specification 7A, Type A *	12,000	60,000
All other packages	300	2,000

- Section 6 – Waste Transportation and Receipt
 - Schedule with NNSS
 - Attach security seals
 - Instruct drivers to comply with shipping route agreements
 - Waste transportation to NNSS, regardless of DOT classification, shall avoid the Hoover Dam Bypass Bridge and Las Vegas
 - Enter information in the online shipment tracking system
 - Transmit waste information to NNSS prior to shipment
 - Waste Shipment Certification Statement
 - Non-compliant shipments will be rejected at NNSS
- Summary
 - The NNSS WAC is an implementing document for wide ranging requirements
 - All generators must have a program that meets the NNSS WAC
 - Each waste profile is approved through the WARP process
 - NDEP is a WARP member, reviews NNSS WAC revisions, and accompanies RWAP on facility evaluations
- **Mixed Low-Level Radioactive Waste (MLLW) Disposal at the NNSS** (*Scott Wade, DOE*)
 - NNSS Area 5 Disposal Facility
 - Approximately 125,000 cubic meters (m³) (4.4 million cubic feet [ft³]) of available capacity in existing cells
 - Seven (7) open cells
 - One (1) under construction
 - Three (3) planned for future construction
 - More than 690,000 m³ (24.5 million ft³) of LLW and MLLW disposed
 - 31 closed cells
 - Available expansion area west of current footprint
 - Resource Conservation and Recovery Act (RCRA) MLLW Disposal Cell
 - Cell capacity of 25,485 m³
 - Approximately 40% full
 - Expect to reach capacity in 2018/2019
 - Disposal began January 2011
 - Double liner system consisting of five layers
 - Floor and side slopes
 - Graded and compacted
 - Protects liner and provides soil pore capacity for precipitation

- Operational Challenges
 - Ensure liner integrity
 - Waste must be packaged compliantly
 - Crane placement requires additional load distribution plates under outriggers
 - Leachate monitoring
 - 87,477 liters (23,109 gallons) of leachate collected in three (3) years
 - Analysis for toxicity characteristic and polychlorinated biphenyl contaminants indicates almost all non-detects; orders of magnitude under limits
 - Nonstandard packaging (i.e., soft-sided bags, totes or tubs)
 - Extra time spent placing waste in stack
 - Inability to stack containers to 5.9 meters (16 feet [ft]) consumes 3-4 times more cell real estate
 - A new RCRA cell could be required before fiscal year 2019 depending on receipt of nonstandard packaging
- Classified Components
 - NNSC supporting disposition of classified components from the dismantlement of nuclear weapons
 - RCRA permit was modified to accept non-radioactive, classified
 - Approximately 400,000 ft³ (11,326 m³) of components require classified disposition
 - Of this, approximately 78,000 ft³ (2,208 m³) require RCRA macroencapsulation treatment prior to disposition
- **Waste Acceptance and Disposal at the NNSC** (*Jhon Carilli, DOE*)
 - RWAP Performance Assessment (PA) Review Team Process
 - Four questions asked when reviewing waste profiles:
 - Does acceptance of the waste cause a change in radionuclide inventory?
 - Does acceptance of the waste stream require a change in facility design, closure plans, operational constraints, or conditions?
 - Does acceptance of the waste stream change the likelihood of a feature, event, process, or change a model parameter value?
 - Does acceptance of the waste stream require a change in waste acceptance criteria, the performance assessment, or the disposal authorization statement?
- Review Process Steps

Step 1: Already Screened	Waste streams well below the NNSC Waste Acceptance Criteria (WAC) Rev. 10 Table E-1 Radionuclide Actions Levels were already analyzed and require no PA review
Step 2: Inventory Screening	Waste stream approaching the NNSC waste acceptance criteria (NNSCWAC), Rev. 10 Actions Levels requires the PA team to “take a closer look” to ensure the proposed waste stream is acceptable for disposal at

	the facility
Step 3: Un-reviewed Disposal Question (UDQ) Determination	Waste stream exceeding the NNSWAC Actions Levels requires a PA for accepting/rejecting disposal at the NNS Additional PAs used for disposal concerns other than inventory

- PA Model
 - Probabilistic model developed in GoldSim for radionuclide release/transport and dose assessment
 - Updated annually with past year's disposals and revised forecast of future waste volumes
 - Demonstrate compliance with DOE's performance objectives
 - Maintained under a software quality assurance plan
- Special Analysis Example
 - Mix of radionuclides in proposed waste profiles increasingly changing since PA first developed as decontamination and decommissioning activities across DOE complex continues at an accelerated pace
 - New radionuclides from DOE cleanup projects (e.g., argon-42)
 - **Concern:** Not in PA model
 - **Solution:** Add to inventory to ensure DOE Performance Objects are met before accepting new radionuclide for disposal
 - Radioisotope Thermoelectric Generators (RTG)
 - **Concern:** Heat generation
 - **Solution:** Spatial isolation from all other waste streams
 - Thorium Nitrate
 - **Concern:** Radon generation
 - **Solution:** Deeper disposal/thicker cover
- Other Evaluations by PA Team/Model
 - Performance of the facility for long time periods beyond the regulatory compliance period of 1,000 years
 - Climate change impacts on facility performance
 - Impacts of waste forms and containers on facility performance
 - Supports development of the PA Annual Summary Report required under DOE Order 435.1
 - Supports RWAP waste profile review process
 - Optimizing final disposal cell and closure cover design
 - Designing operational and post-closure monitoring
- **Disposal of LLW at the NNS - 2014 Annual Meeting of the National Transportation Stakeholders Forum (Scott Wade, DOE)**
 - DOE Disposal Overview
 - 21.1M ft³ of LLW disposed throughout the DOE complex in fiscal year 2013
 - 4% of waste disposed at a commercial facility
 - 5% of waste disposed at NNS
 - 91% of waste disposed on-site at the location where it was generated
 - LLW Disposed at NNS
 - Approximately 1.1M ft³ of waste disposed in fiscal year 2013

- Types include:
 - Soils and debris (i.e. concrete and building)
 - Equipment, clothing and tools
 - Solidified liquids and sludges
 - Laboratory waste
 - Irradiated metal and research targets
 - Amalgamated mercury
 - Depleted uranium
 - Sealed sources (radioisotopes used in equipment for power and medical)
 - Surplus nuclear materials deemed excess to national security missions
 - Uranium wastes
 - Piping used for refining uranium and nuclear propulsion research
- LLW with a hazardous (toxic, ignitable, corrosive, etc.) component are mixed wastes and also disposed under a state permit
- Classified components and parts also disposed
- Transporting Waste to NNSS
 - In accordance with DOT regulations
 - Routing within Nevada region includes preferences established for travel during summer and winter months, and blackout dates during specific holiday events
 - All highway, no rail access – surrounded by U.S. Air Force land
 - All LLW/mixed LLW shipments to/from NNSS are reported quarterly
 - Available on the NFO website at www.nv.energy.gov/radwastetrans
 - Includes maps depicting routes taken

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

- The Hazardous Materials Notification System (HAZTRAK) provides information to assist in the mitigation of an accident or incident involving the transportation of hazardous materials and supports waste management operations, scheduling and reporting activities. HAZTRAK is a web-based application continuously available to the NNSS Emergency Management organization, displaying information on intra-site transfers as well as inbound and outbound commercial shipments. The program is used to assist shippers in meeting emergency response information requirements and is also utilized by NNSS Waste Management to provide near-term projections of arrivals for waste shipments in transit: shipment tracking numbers, carrier names, trailer identification numbers, total weight, number of packages/containers, estimated arrival date, and applicable waste profile identification.
- The type of material and its constituents determines the packaging that is used and how it is disposed.
- LLW/MLLW liquid waste is not accepted at the NNSS. MLLW contains a RCRA-hazardous waste as well as a radioactive constituent.
- Due to a special PA, it was determined that thorium nitrate listed in the presentation needed to be buried three feet deeper in the waste disposal cell as the radon flux was a concern. The NNSS has not since received another shipment of this material.
- DOE Order 435.1 outlines the limits that if reached the PA would be required to be revised. At this time, this has not been a concern as no waste at NNSS has been close to these limits.

Other NSSAB Business (*Kathleen Bienenstein, Chair*)

Chair Bienenstein stated that she and Vice-Chair Hruska will be attending the EM SSAB National Chairs' Meeting the week of September 15 - 18, 2014 in Idaho Falls, ID. Each of the eight EM SSABs is allowed one PowerPoint slide and a five minute presentation to bring forward round robin topics to the attention of the Acting Assistant Secretary of EM that highlight the Board's top concern and/or notable accomplishments.

Following discussion, the Board agreed to highlight the NSSAB's involvement in community outreach by the following activities:

- Waste Control Specialists tour
- Community Environmental Management Program Workshop
- Facility Evaluation visits – Oak Ridge and Argonne
- Yucca Flat External Peer Review
- RadWaste Summit
- Devil's Hole Workshop
- Transportation Emergency Preparedness Tabletop Exercise
- Underground Test Area Technical Information Exchange
- Educational sessions
- Intergovernmental meetings
- Groundwater/Waste Management Open Houses
- Membership Recruitment Drive
- Liaisons
- Waste Management Symposia (FY 2015)

The Underground Test Area Technical Information Exchange on July 16, 2014 was attended by Chair Bienenstein, Vice-Chair Hruska, Member Keiserman, and Member Sypolt. Vice-Chair Hruska reported that it was a poster session from the perspective of researchers regarding groundwater flow paths, and regional groundwater and transport models. The posters presented will be made available to the Board at a later date.

Chair Bienenstein and Vice-Chair Hruska have been invited to present at the Ninth Annual RadWaste Summit on September 4, 2014 in Las Vegas, NV. They will be part of a panel of speakers including Mr. Wade and Robert Boehlecke on the future of disposal at the NNSS. The NSSAB presentation will focus on the Board's perspective on LLW transportation and disposal.

Chair Bienenstein noted that elections would be held for the Chair and Vice-Chair positions at the September 10, 2014 Full Board meeting. A list outlining the responsibilities for both positions was provided to the Board. Interested Members are asked to contact the NSSAB Office by August 30, 2014.

Chair Bienenstein and Member Sypolt volunteered to observe the Transportation Emergency Preparedness Tabletop Exercise on July 23, 2014.

Four letters were provided to Board members for informational purposes:

- NSSAB Recommendation for the NNSS Communication Plan for Groundwater Sampling Results (Work Plan Item #5) – dated May 21, 2014

- DOE Response to NSSAB Recommendation for the NNSS Communication Plan for Groundwater Sampling Results – dated July 14, 2014
- NSSAB Recommendation for FY 2015 – FY 2016 Membership – dated May 21, 2014
- DOE Response to the NSSAB FY 2015 – FY 2016 Membership Recommendation – dated June 19, 2014

Kelly Snyder notified the Board that EM Headquarters completed its membership recruitment process, and appointment letters were sent out to new appointees in early July 2014. Twelve new Members were appointed; however, one of the appointees declined due to personal reasons and will not be replaced.

Liaison Updates

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

Liaison Richard Arnold reported that he is involved with the National Transportation Stakeholders' Forum in which he chairs the Tribal Caucus in an effort to engage tribal participation within their respective sites across the country. He also serves on the State Tribal Governments Work Group, an activity through EM Headquarters, which met in Santa Fe, New Mexico, in June 2014. This group has been a great vehicle in sharing information on activities happening across the nation. Liaison Arnold is involved with the Tribal Summit in conjunction with EM Headquarters. Since the DOE is vast, they are determining whether there is a need for an EM-specific Tribal Summit. As part of the four state regional groups, Liaison Arnold has been invited to meetings of the Western Interstate Energy Board, which includes Nevada state and tribal representatives, to increase the engagement of their tribal partners in a variety of issues. The Energy Community Alliance will meet the end of July 2014 in an effort to educate stakeholders on the nuclear fuel cycle, and he was asked to monitor and share tribal perspectives. The meeting will include a tour of the NNSS.

Esmeralda County (*Commissioner Ralph Keyes*)

Liaison Ralph Keyes reported that he has been attending the local Emergency Planning Committee meetings to encourage emergency planners to participate in the training that is available.

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

Liaison John Klenke reported that the Yucca Flat External Peer Review is ongoing and the panel has been conducting weekly teleconferences. Panel members did participate in a two day meeting held on June 16 - 17, 2014. The current document consists of approximately 80 pages. The panel is on schedule for the wrap-up meeting on August 20, 2014.

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

Liaison Christine Andres reported on personnel changes at NDEP. Mark McLane has been promoted as Supervisor of the Bureau of Federal Facilities to work with UGTA and the Nevada Off-Sites Program.

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

Mr. Wade highlighted a discussion held during the intergovernmental meeting regarding waste shipments through Pahrump scheduled for August 2014. These waste shipments will be reviewed for full compliance with State of Nevada Department of Transportation requirements. Mr. Wade stated that the tabletop exercise will be led by personnel from the Transportation Emergency Preparedness Program which is funded by DOE to foster emergency preparedness in local

communities. The tabletop will focus on the foundations of radiological contamination, packaging, placarding, transportation, and emergency response requirements. Mr. Wade has been invited to present on LLW waste transportation at the NNSS to the Fusion Center. Mr. Wade ended with the message that the NNSS has a successful transportation history, and DOE holds transportation safety as a high priority.

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

Facilitator Barb Ulmer asked newly appointed Board Members (effective October 1, 2014) that were in attendance to introduce themselves to the Board.

The next Board meeting will be held on Wednesday, September 10, 2014 at 4 p.m. at the National Atomic Testing Museum, Las Vegas, NV. There will not be an educational session prior to this meeting. Member Orientation will be held on Wednesday, October 8, 2014. A full-day tour of the NNSS has been scheduled for Wednesday, October 29, 2014. An annual evaluation will be sent out in August 2014 to Board Members and Liaisons.

Members welcomed the newly appointed Board Members and discussed their thoughts on improvements/suggestions for the meetings.

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

Meeting adjourned at 8:37 p.m.