

**Environmental Management
Monthly Report to the NSSAB
April 2015**

Waste Disposal and Transportation

- The quarterly waste volumes for low-level waste (LLW) and mixed low-level waste (MLLW) for the quarter ending March 31, 2015, for the Nevada National Security Site (NNSS) will be provided in the Monthly Report to the NSSAB for May 2015.
- Update from previous months' reports - In September 2014, the Radioactive Waste Acceptance Program (RWAP) conducted a Facility Evaluation of the NNSS Waste Acceptance Criteria (WAC) for Babcock and Wilcox Conversion Services (BWCS), Paducah, Kentucky (please see October 2014 – March 2015 NSSAB Monthly Reports for more information). The status for this item remains unchanged from last month.
- Update from previous months' reports - In January 2015, RWAP conducted a Facility Evaluation of the NNSS WAC for BWCS, Portsmouth, Ohio (please see February 2015 – March 2015 NSSAB Monthly Reports for more information). The status for this item remains unchanged from last month.
- Update from previous months' reports - In January 2015, RWAP conducted an impromptu surveillance of the PermaFix generator, Gainesville, Florida (please see February 2015 – March 2015 NSSAB Monthly Reports for more information). The status for this item remains unchanged from last month.
- In March 2015, RWAP conducted two impromptu Facility Evaluations:
 - Pantex Plant, Amarillo, Texas: No issues were identified.
 - Materials & Energy Corporation - Perma-Fix, Oak Ridge, Tennessee: No issues were identified.
- The RWAP will conduct an Audit of a generator in Portsmouth, Ohio, and an impromptu surveillance of a generator in April 2015.
- In April 2015, approximately 148,000 cubic feet of LLW and MLLW is forecasted for disposal at the NNSS.

Underground Test Area (UGTA)

Corrective Action Unit (CAU) 97, Yucca Flat

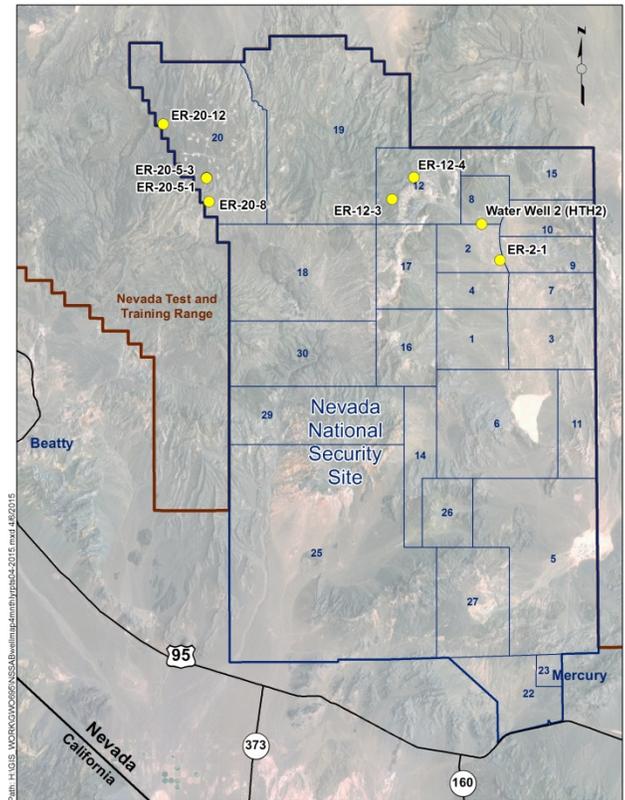
In March 2015, pumping and sampling of well ER-2-1 was completed. Plan to pump and sample Water Well 2 in April 2015.

CAU 99, Rainier Mesa/Shoshone Mountain

In March 2015, the modeling team continued reviewing the revised conceptual model and hydrostratigraphic model. Plan to pump and sample wells ER-12-3 and ER-12-4 in April 2015.

CAUs 101/102, Pahute Mesa

In March 2015, completed pumping and sampling of wells ER-20-8 and ER-20-5-3, and completed ecological and archaeological/cultural survey for the access road drill pad and sumps for the new ER-20-12 well. UGTA mobilized to the ER-20-5-1 well site for pumping and sampling in March 2015. In April 2015, plan to complete pumping and sampling of well ER-20-5-1, and begin construction of the ER-20-12 access road, drill pad, and sumps.



Industrial Sites

Non-Resource Conservation and Recovery Act (RCRA) Post-Closure Monitoring Sites

The Non-RCRA Post-Closure Monitoring Sites include 135 Corrective Action Sites (CASs) where post-closure inspections and maintenance are performed in accordance with closure requirements. Required repairs and maintenance continued to be performed in March 2015.

RCRA Post-Closure Monitoring Sites

The RCRA Post-Closure Monitoring Sites include six CAUs where post-closure inspections, monitoring, and maintenance are performed in accordance with the RCRA Permit and closure requirements. In March 2015, the quarterly and semi-annual inspections were performed, as well as irrigation of the reseeded cover at CAU 111. In April 2015, irrigation will likely continue at CAU 111.

Soils

CAUs 411 and 412, Double Tracks Plutonium Dispersion and Clean Slate I Plutonium Dispersion

CAUs 411 and 412 comprise one CAS each on the Nevada Test and Training Range. Preparation of the Streamlined Approach for Environmental Restoration (SAFER) Plan for CAU 412 continued in March 2015. The SAFER for CAU 411 was submitted to NDEP and approved in March 2015. The deadline for the SAFER for CAU 412 was extended and is due to NDEP in May 2015. The SAFER Plans for CAUs 411 and 412 are enforceable milestones under the *Federal Facility Agreement and Consent Order*.

CAU 415, Project 57 No. 1 Plutonium Dispersion

CAU 415 comprises one CAS related to historical nuclear testing. In May 2014, the SAFER Plan for CAU 415 was approved by NDEP; plans to implement the corrective actions continued in March 2015 and will continue in April 2015.

CAU 541, Small Boy

CAU 541 comprises two CASs related to historical nuclear testing. Site investigation activities continued in March 2015.

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In March 2015, radiological activities and sampling continued.

CAU 573, Alpha Contaminated Sites

CAU 573 comprises two CASs related to historical nuclear testing. Radiological surveys continued to be conducted in March 2015.

Public Involvement:

- Ongoing exhibits:
 - *Operation Clean Desert* – Nevada Public Reading Room in Las Vegas, Amargosa Valley Library, Goldfield Library, and Central Nevada Museum in Tonopah
 - Environmental Management kiosks – Enterprise Library (Las Vegas Blvd. South near Blue Diamond Road), Indian Springs Library then rotated to Amargosa Valley Library
- Publications:
 - Ongoing social media campaign (Facebook and Twitter) – 19 original posts on Facebook, 11 original tweets on Twitter
 - Published articles in March 2015 issue of [OneVoice](#) and EM Update (*Nevada Field Office Educates Students about Radiation*; and *Navarro Kicks Off New Contract at Nevada National Security Site*)
 - Distributed NSSAB meeting press release and a notice of OneVoice availability to more than 3,100 subscribers via GovDelivery
- Outreach:
 - Planned and supported 2015 NNSS booth and featured session at Waste Management Symposia – March 16 – 20, 2015
 - Distributed 200 *Operation Clean Desert* activity books and five (5) *Operation Clean Desert* teacher's guides to Innovations International Charter School
 - Distributed 160 fact sheets to the Atomic Testing Museum Public Reading Room (40 *Radioactive Waste Acceptance Program*, 40 *NNSS Groundwater Program*, 40 *Transporting Radioactive Waste to the NNSS*, and 40 *Environmental Management*)
- NSSAB:
 - NSSAB Member observed Transportation Emergency Preparedness Program training video shoot in Pahrump, NV – March 9 – 13, 2015
 - NSSAB Chair participated as a presenter and a panelist at Waste Management Symposia 2015 in Phoenix, AZ – March 16 – 19, 2015
 - Membership Committee Meeting – March 23, 2015

- NSSAB Full Board Meeting – March 25, 2015
- Nevada Field Office conducted an intergovernmental meeting with NSSAB Liaisons – March 25, 2015
- Hosted an educational session, “Radioactivity and Radioactive Decay” – March 25, 2015