

Nevada Field Office
Environmental Management Activities
Monthly Report to the NSSAB
May 2015

Waste Disposal and Transportation

- As of March 31, 2015, the Nevada National Security Site (NNSS) has disposed 494,315 cubic feet of low-level waste (LLW), 44,433 cubic feet of mixed LLW (MLLW), 3,076 cubic feet of non-radioactive classified waste, and 681 cubic feet of non-radioactive classified hazardous waste during fiscal year 2015. These numbers are preliminary until internal quality checks are completed.
- 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 – April 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 – April 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 – April 2015 NSSAB Monthly Reports for more information). RWAP closed the CAR in April 2015.
- In April 2015, RWAP conducted two Facility Evaluations.
- RWAP will conduct one impromptu Facility Evaluation in May 2015.
- In May 2015, approximately 148,000 cubic feet of LLW and MLLW is forecasted for disposal at the NNSS.
- LLW and MLLW Transportation Routing Quarterly Report for the 1st Quarter of Fiscal Year 2015, October – December 2014, available online at <http://www.nv.energy.gov/library/publications/emtwg/FY2015%201st%20QTR.pdf>

Underground Test Area (UGTA)

Corrective Action Unit (CAU) 97, Yucca Flat

In April 2015, pumping and sampling was conducted at Water Well 2.

CAU 98, Frenchman Flat

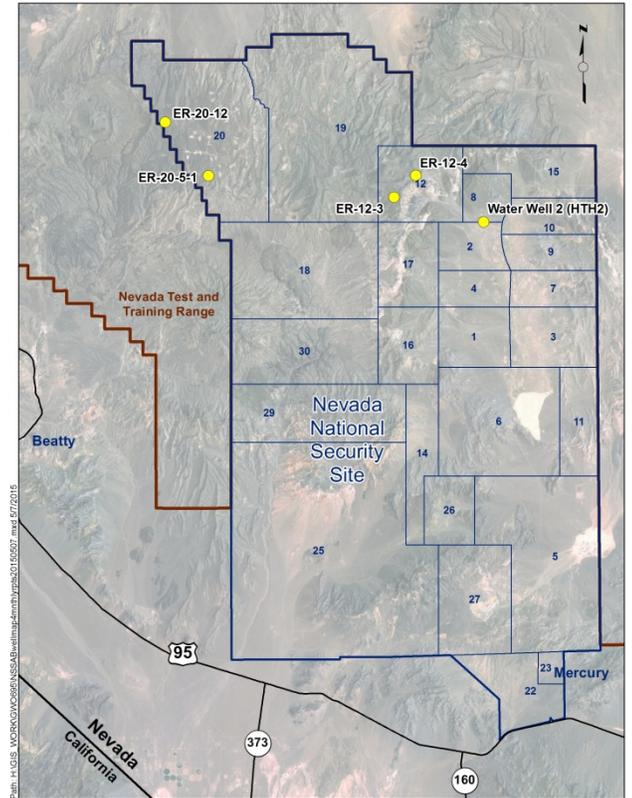
In April 2015, the draft Closure Report was being developed and will continue in May 2015.

CAU 99, Rainier Mesa/Shoshone Mountain

In April 2015, the modeling team continued reviewing the revised conceptual model and hydrostratigraphic model, and pumping and sampling was conducted at wells ER-12-3 and ER-12-4.

CAUs 101/102, Pahute Mesa

In April 2015, completed pumping and sampling of well ER-20-5-1, and began construction of the ER-20-12 access road, drill pad and sumps.



Industrial Sites

Resource Conservation and Recovery Act (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 April 2015, irrigation of the reseeded cover at CAU 111 continued and will continue in May 2015. Repairs identified in the quarterly and semi-annual inspections will be performed in May 2015.

Soils

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

CAUs 411 and 412 comprise one Corrective Action Site (CAS) each on the Nevada Test and Training Range. In April 2015, the Streamlined Approach for Environmental Restoration (SAFER) Plan for CAU 412 was submitted to and approved by the State of Nevada Division of Environmental Protection (NDEP). The SAFER Plan is an enforceable milestone under the *Federal Facility Agreement and Consent Order*. In May 2015, field activities will continue at both CAU 411 and 412.

CAU 413, Clean Slate II Plutonium Dispersion

CAU 413 comprises one CAS on the Nevada Test and Training Range. In April 2015, development of the Data Quality Objectives (DQOs) began and will continue in May 2015. A

DQO meeting will be held in June 2015. The DQO process is a seven-step approach to plan investigation activities ensuring the data collected will provide sufficient information to recommend corrective actions for CAU 413. The DQOs will be included in the Corrective Action Investigation Plan for CAU 413, which will be due to NDEP by July 2016.

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 April 2015 and will continue in May 2015.

CAU 541, Small Boy

CAU 541 comprises two CASs related to historical nuclear testing. Site investigation activities continued in April 2015, and waste management activities were conducted. The development of the Corrective Action Alternatives continued in April 2015 and will continue in May 2015.

CAU 568, Area 3 Plutonium Dispersion Sites

CAU 568 comprises six CASs related to historical nuclear testing. In April 2015, radiological activities continued and waste management activities were conducted. The development of the Corrective Action Alternatives continued in April 2015 and will continue in May 2015.

CAU 573, Alpha Contaminated Sites

CAU 573 comprises two CASs related to historical nuclear testing. In April 2015, radiological surveys and waste management activities were conducted. Field activities will continue in May 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) then rotated to West Las Vegas Library, Amargosa Valley Library
- Publications:
 - Ongoing social media campaign (Facebook and Twitter) – 14 original posts on Facebook, 14 original tweets on Twitter
 - Published article in April 2015 issue of [OneVoice](#) (*Use Restriction – What Does it Mean?*)
- Outreach:
 - Distributed one (1) *Operation Clean Desert* activity book and one (1) *Operation Clean Desert* teacher’s guide to Jim Bridger Middle School
 - Distributed 50 *Operation Clean Desert* activity books to the National Atomic Testing Museum Public Reading Room
 - Distributed 200 *Operation Clean Desert* activity books to the Pahrump Earth Day event

- Distributed 117 recycled plastic bags and 25 Earth Day flyers to Nevada Field Office Earth Day event
- NSSAB:
 - NSSAB Chair and an NSSAB Member attended the spring EM Site-Specific Advisory Board National Chairs' meeting, hosted by Savannah River Site in Augusta, GA – April 20 – 23, 2015