



AGENDA

CAB FULL BOARD MEETING

Atomic Testing Museum, Frank Roberts Auditorium
755 East Flamingo Road, Las Vegas, NV 89119

July 8, 2009

1. **Open Meeting / Agenda Review** **Denise Rupp**, Facilitator
2. **Chair's Opening Remarks:** **Dave Hermann**, Board Chair
 - Agenda Approval
3. **Presentation:** **Kevin Cabble**, DOE
 - **Soils Update**
 - **Pahute Mesa Groundwater Update** **Bill Wilborn**, DOE
4. **Public Comment** **Denise Rupp**, Facilitator
5. **FY 2010 Work Plan Update** **Kelly Snyder**, DOE DDFO
6. **Committee Updates:** **Dave Hermann**, Committee Chair
 - **Executive**
 - **Membership** **Jackson Ramsey**, Committee Chair
 - **Outreach** **Hal Sullivan**, Committee Chair
 - **Transportation / Waste** **Ted Oom**, Committee Chair
 - **Underground Test Area (UGTA)** **Bob Gatliff**, Committee Chair
- ~**BREAK**~
7. **DOE Update:** **Kelly Snyder**, DOE DDFO
 - Environmental Management (EM) Monthly Report (June and July 2009)
8. **Other CAB Business:** **Dave Hermann**, Board Chair
 - Letters from Inez Triay and James Rispoli
 - CAB Meetings in Rural Locations
 - Upcoming EM Site Specific Advisory Board Chairs Meeting
 - Idaho Falls, Idaho – September 21-24, 2009
 - Upcoming FY 2010 Chair and Vice-Chair Election
 - Radiation Waste Conference, September 8-11, 2009, Las Vegas, NV
 - September 2009 Full Board Meeting
 - Currently scheduled for 5:00 p.m. September 9, 2009
Atomic Testing Museum, Las Vegas, NV
9. **June and July State of Nevada Notifications** **Kelly Snyder**, DOE DDFO
10. **Meeting Wrap-Up / Assessment** **Denise Rupp**, Facilitator

Soils Sub-Project Overview



Kevin Cabble, Acting Federal Sub-Project Director
Community Advisory Board Meeting
July 8, 2009



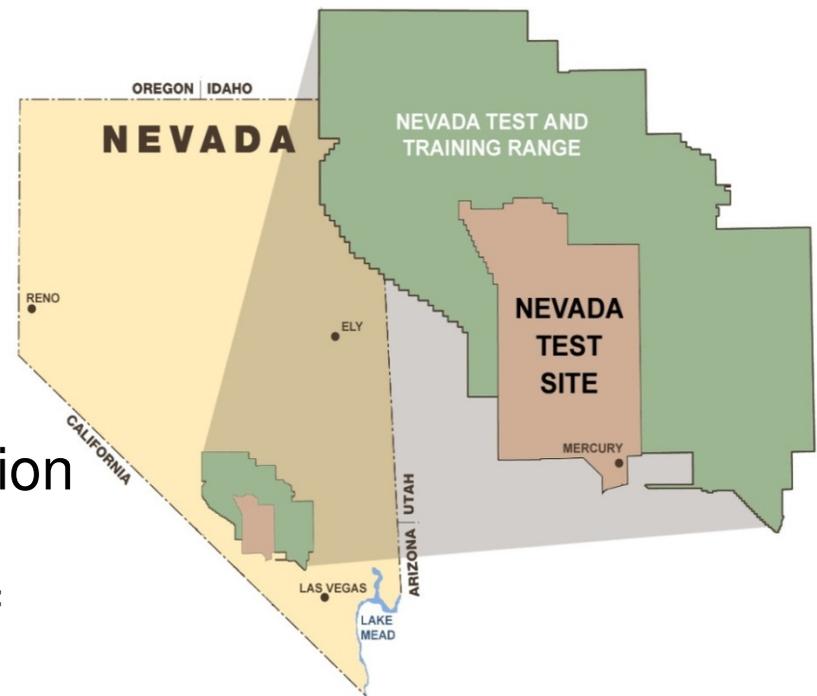
EM Environmental Management

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www.em.doe.gov

What are the Issues?

- Surface soils at the Nevada Test and Training Range (NTTR), operated by the U.S. Air Force, and the Nevada Test Site (NTS) and were contaminated by:
 - Historical atmospheric nuclear weapons tests
 - Nuclear weapon safety experiments
 - Nuclear weapon storage-transportation tests
 - Evaluation tests for peaceful uses of nuclear explosives



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Addressing the Issues

- The Soils Sub-Project is responsible for:
 - Characterizing and/or remediating surface soil contamination
 - Characterize means to identify the extent and nature of the contamination present
 - Remediate can mean an array of options to dealing with a contaminated site; e.g., closing in place, fencing/posting, or perhaps even removing soils
 - Ensuring appropriate controls (i.e., signage/postings, barriers, etc.) are in place at the sites
 - Conducting long-term monitoring of sites
- State of Nevada oversight provided under the Federal Facility Agreement and Consent Order (FFACO)



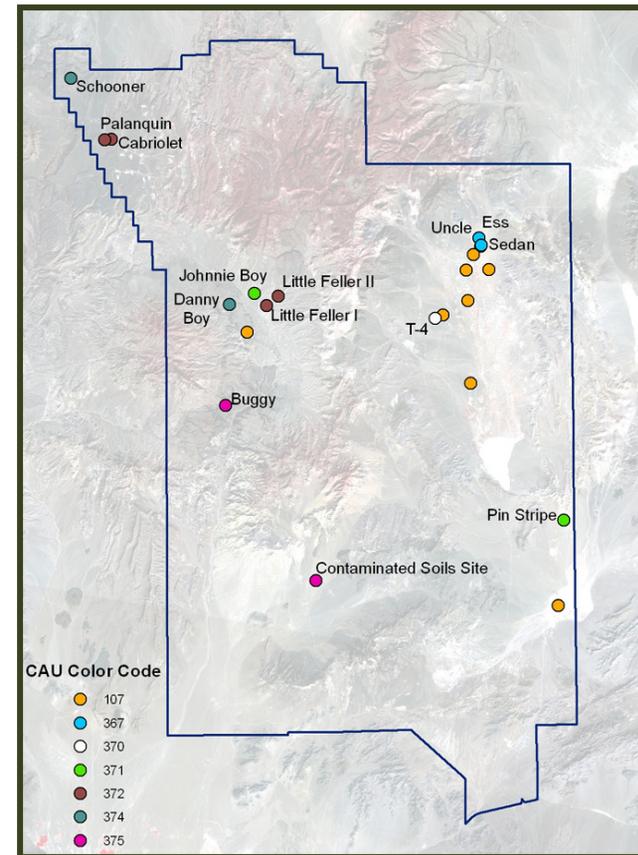
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Key Terminology

- Corrective Action Site (CAS)
 - a potential release site identified as requiring investigation
- Corrective Action Unit (CAU)
 - a grouping of CASs that are similar in remediation technique, type of contaminants, or proximity to each other (grouped to create efficiencies)



The Soils Sub-Project consists of 23 CAUs -- comprised of 107 CASs



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FY 2009 Current Status

- Complete the closure of two CAUs (CAU 107 and 370)
- CAU 107 - *Low Impact Soil Sites*
 - Consists of 15 CASs considered to have minimal or no radiological contamination
 - Recommended closure:
 - 13 sites no further action;
 - Two sites closed in place with use restrictions and posting
 - Final Closure Report is due to Nevada Division of Environmental Protection (NDEP) by July 10, 2009



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FY 2009 Current Status

(continued)

- CAU 370: *T-4 Atmospheric Test Site*
 - Site of four atmospheric tower tests located in Area 4 of the Nevada Test Site
 - Recommended closure: Close in place with use restrictions and posting
 - Final Closure Report was submitted to NDEP on May 26, 2009



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FY 2009 Current Status

(continued)

- Initiated the investigation plans for two additional CAUs
 - CAU 371: *Johnnie Boy Unit Crater*
 - Consists of two CASs (Johnnie Boy and Pin Stripe)
 - Investigation to be complete in FY 2010
 - CAU 372: *Palanquin/Cabriolet Unit Craters*
 - Consists of four CASs (Palanquin, Cabriolet, Little Feller 1 and 2)
 - Investigation to be completed in FY 2010



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Future Activities

- Funding recently received through the American Recovery and Reinvestment Act of 2009 allows for the acceleration of the Soils Sub-Project site investigations
- Planned activities to be accomplished between FY 2009 - 2011 include:
 - Complete investigation and closure of contaminated soil sites (covering approximately 7,800 acres) at:
 - CAU 374, *Area 20 Schooner Unit Crater* (Danny Boy and Schooner)
 - CAU 375, *Buggy Unit Craters* (Buggy Crater and Area 25 Contaminated Soil Site)
 - CAU 367, *Area 10 Sedan, Ess, and Uncle Unit Craters*



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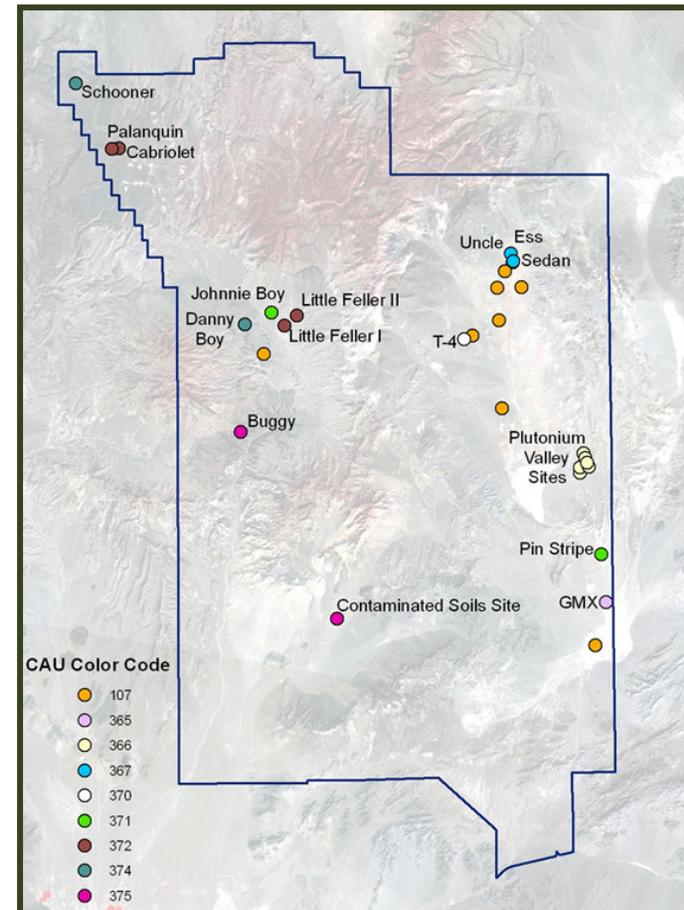
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Future Activities

(continued)

- Complete CAUs 371 and 372
- Initiate investigations at Plutonium Valley and GMX Sites
- Conduct long-term monitoring through compliance surveys
- Complete the soils sub-project in FY 2023



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Stakeholder Information / Involvement

- Anticipate the release of Closure Documents for comments in FY 2010
- Continue to respond to Community Advisory Board (CAB) requests for information
- Provide ongoing information in monthly CAB updates



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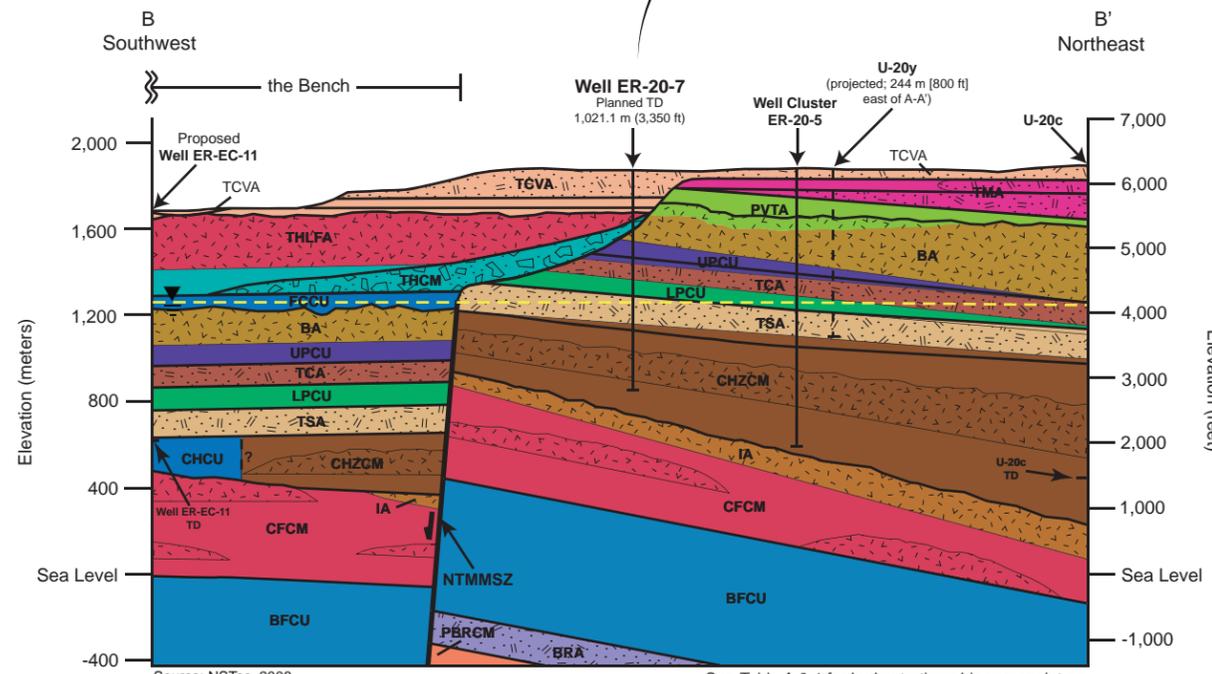
www.em.doe.gov



Nevada Test Site

Pahute Mesa Groundwater Well Drilling

Well ER-20-7 Pahute Mesa Drilling Program



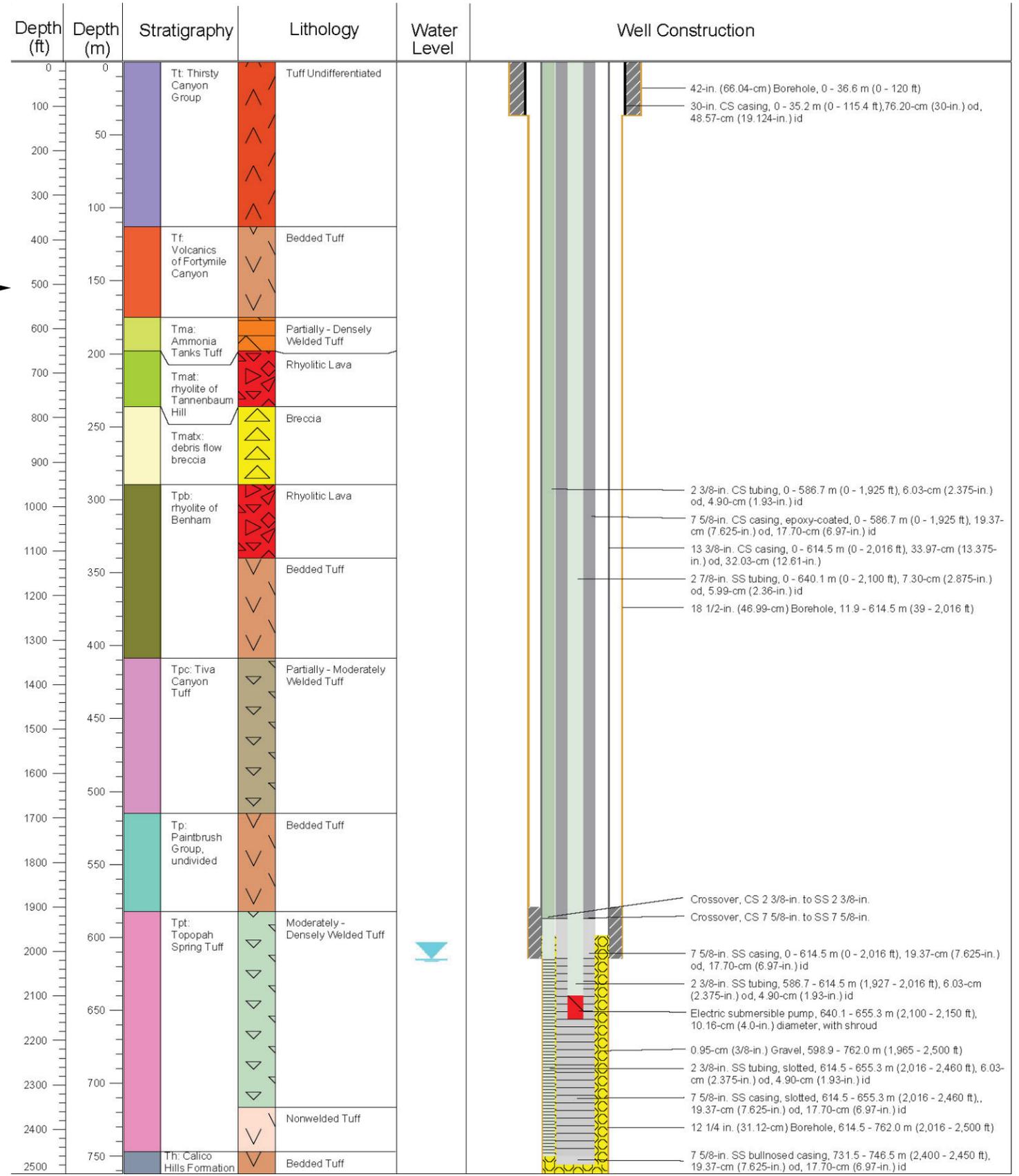
See Table A.6-1 for hydrostratigraphic nomenclature
Location of cross section shown on Figure A.4-1

Scale: 0, 1,000, 2,000 feet / 0, 400, 800 meters. No vertical exaggeration.

- predicted water table
- stratigraphic contact
- lithologic contact
- fault with arrow showing sense of offset
- welded ash-flow tuff
- rhyolitic lava
- debris-flow breccia
- nonwelded and bedded tuff and alluvium

NTMMSZ=Northern Timber Mountain Moat Structural Zone
TD=total depth

Figure A.6-1 Southwest-Northeast Hydrostratigraphic Cross Section B-B' through Well ER-20-7



**U. S. DEPARTMENT OF ENERGY
ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD (EM SSAB)
COMMUNITY ADVISORY BOARD
for Nevada Test Site Programs**

MEMBERSHIP APPLICATION

The EM SSAB provides meaningful opportunity for collaborative dialogue among the diverse communities at EM clean-up sites and the Department of Energy (DOE). At the request of the Assistant Secretary or the Site Manager/Assistant Manager for Environmental Management, the Board provides advice and recommendations concerning the following EM site-specific issues: clean-up standards and environmental restoration; waste management and disposition; stabilization and disposition of non-stockpile nuclear materials; excess facilities; future land use and long-term stewardship; risk assessment and management; and clean-up science and technology activities.

Currently, the EM SSAB comprises eight local boards, which are located near DOE sites across the country: Hanford, Idaho, Nevada, Northern New Mexico, Oak Ridge, Paducah, Portsmouth, and Savannah River. If appointed, you will be serving on the Community Advisory Board for Nevada Test Site Programs (CAB).



Members appointed by DOE to serve on the EM SSAB are subject to conflict of interest principles in order to maintain the integrity of the EM SSAB's work. These principles address financial conflict of interests and the use of members' positions for private gain for themselves or others. Upon appointment, members are provided with details regarding the specific conflict of interest principles.

Please note: U.S. federal government employees are ineligible to serve on the EM SSAB.

If you would like to be considered for membership on the EM SSAB, please complete pages 2 - 4 of this application and forward it and your resume, if available, to the contact for your local EM SSAB listed on page 4. For more information on the EM SSAB, visit <http://www.em.doe.gov/Pages/ssab.aspx> or the Web site for your local board at www.NTSCAB.com

**U. S. DEPARTMENT OF ENERGY
ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD (EM SSAB)
COMMUNITY ADVISORY BOARD
for Nevada Test Site Programs
MEMBERSHIP APPLICATION**

(Please print or type)

Last Name

First Name

Middle Initial

Street Address

City

County

State

Zip

Please list phone number(s) where we can contact you:

Primary Phone (home/work/cell)

Alternate Phone (home/work/cell)

Fax

E-mail

Current Occupation

Current Employer

(If no longer employed, provide former occupation).

Please check if you are a DOE Contractor/Consultant Employee:

Please check if you work for a Waste Management/Environmental Restoration Firm



Membership Commitment

If selected to serve on the EM SSAB, I agree to attend board meetings and related training events, review background materials, and work cooperatively with the membership to fulfill the purpose of the board. Furthermore, I understand that the commitment of time expected is approximately 10 to 20 hours per month.

Print Name _____ Signature _____ Date _____



**U. S. DEPARTMENT OF ENERGY
ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD (EM SSAB)
COMMUNITY ADVISORY BOARD
for Nevada Test Site Programs
MEMBERSHIP APPLICATION**

Your Contribution

1. EM SSAB members are appointed for a two-year term. Appointments may be renewed twice for a maximum period of service of six years.
2. EM SSAB members are not compensated for their service.
3. The U.S. Department of Energy (DOE) provides reimbursement for authorized travel and subsistence (federal per diem) expenses for eligible members.

Please describe why you want to serve on the EM SSAB.

Please list all groups or organizations that you currently belong to or have been involved with and the dates of membership. Specify if you hold an office, chair a committee, etc. The EM SSAB is looking for members from organizations including, but not limited to, the following: County/City/Tribal governments, public or private academic institutions, minority groups, labor organizations, civic groups, environmental groups, women’s organizations, business groups, neighborhood groups.

Note: Membership in an organization is NOT a requirement for membership in the EM SSAB.

<u>Name of Organization</u>	<u>Dates of Membership</u>	<u>Role (such as member, chair, president, etc.)</u>



What is the CAB?

As one of the eight federally-chartred advisory boards that make up the Environmental Management Site-Specific Advisory Board (EM SSAB), the Community Advisory Board (CAB) for Nevada Test Site Programs is an federally appointed group of volunteers organized to provide informed recommendations to the U.S. Department of Energy (DOE) Nevada Site Office Environmental Management program. The CAB does not address issues related to the Yucca Mountain Project.

The CAB was formed more than 10 years ago as part of the DOE's national effort to provide for citizen input on environmental management activities at DOE sites throughout the country.

Charter

In accordance with the Federal Advisory Committee Act, the EM SSAB provides the Assistant Secretary for Environmental Management (EM), and her designees, with information, advice, and recommendations concerning issues affecting the EM program at various sites. At the request of the Assistant Secretary or her designees, the Board may provide advice and recommendations concerning the following EM site-specific issues:

- clean-up standards and environmental restoration;
- waste management and disposition;
- stabilization and disposition of non-stockpile nuclear materials;
- excess facilities;
- future land use and long-term stewardship;
- risk assessment and management;
- clean-up science and technology activities;
- other EM projects or issues, as requested.

EM SSAB is comprised of eight boards across the country with each local board providing recommendations specific to their site.



CAB Structure

The CAB is led by a Board-elected Chair and Vice-Chair. In addition to Full Board activities, the Board has a variety of committees that focus on specific area of Environmental Management. Currently, there are three non-technical and two technical committees.

Non-Technical Committees

1. Budget
On an annual basis, reviews and prioritizes each Nevada Test Site environmental management project for the federal budget process
2. Membership
Responsible for recruiting new members
3. Outreach
Reviews and makes recommendations on increasing public awareness of the CAB and ways to enhance Environmental Management community outreach activities

Technical Committees

1. Transportation/Waste
Focuses on issues related to transportation of hazardous and radioactive wastes and waste management disposal activities
2. Underground Test Area (UGTA)
Focuses on areas at the Nevada Test Site used for historical underground nuclear testing and makes recommendations related to project strategy and future groundwater monitoring

CAB Meetings

- Full Board meetings are typically held in the evening of the second Wednesday of every odd month
- Committees typically meet every other month
- While the majority of meetings are held in Las Vegas there are occasions when meetings are held throughout Southern Nevada (DOE provides travel expenses)

Member Responsibilities

Board members are required to:

- Attend Full Board CAB meetings
- Actively participate in at least one committee
- Review all materials (*i.e., documents, handouts, emails*) in a timely manner and respond, as requested

Depending on a member's level of involvement, the CAB may require a time commitment of 10-20 hours per month.

No technical experience is required to be a member of the Board.

To learn more about the CAB, please visit www.ntscab.com

DRAFT



Community Advisory Board for Nevada Test Site Programs

July 8, 2009

Ms. Kelly Snyder, DDFO
U.S. Department of Energy, Nevada Site Office
P. O. Box 98518
Las Vegas, NV 89193-8518

Members

David Hermann, *CAB Chair*
Walter Wegst, *Ph.D., CAB Vice-Chair*
Chair, EMPIRE Committee

Kathleen Bienenstein
Robert Gatliff, *Chair*
Underground Test Area (UGTA) Committee
Robert Johnson
John McGrail
Vernell McNeal
Theodore Oom, *Chair*
Transportation/Waste Committee
Jackson Ramsey, *Ph.D., Chair*
Budget Committee
Membership Committee
Ted Schweitzer
Herbert Spiegel
Harold Sullivan, *Chair*
Outreach Committee
James Weeks

Liaisons

Janet Appenzeller-Wing
U.S. Department of Energy,
Nevada Site Office
Robert Gamble
Nye County
Tim Murphy, *Chief*
Bureau of Federal Facilities,
State of Nevada Division of
Environmental Protection
Genne Nelson
U.S. National Park Service

Administration

Denise Rupp, *Administrator*
Navarro Research & Engineering, Inc.
Kelly Snyder, DDFO
U.S. Department of Energy,
Nevada Site Office

SUBJECT: Recommendation for Department of Energy Environmental Management Community Outreach Programs and Initiatives

Dear Ms. Snyder,

The Community Advisory Board for the Nevada Test Site Programs (CAB) has dedicated numerous committee meetings to studying the Department of Energy Nevada Site Office Environmental Management (EM) existing community educational outreach program, as well as potential educational outreach initiatives.

Based on these meetings, the CAB recommends the EM Program increase the methods currently used to create public awareness of the history and steps being taken at the Nevada Test Site by the EM Program to protect our state's valuable groundwater resources and ensuring the safety of our environment. In addition, the CAB is constantly looking for new ways to inform the public about efforts by the Nevada Site Office in this regard.

The CAB recommends EM publicize the Nevada Site Office website and the envmgt@nv.doe.gov email address as a source for teachers and students to find additional information about the Nevada Site Office. This would include suggesting teachers encourage their students to use the email address as a way to get questions answered by Nevada Site Office professionals. For example, teachers could give students assignments for classroom presentations based on EM website content. Although the website is continuously up and running, we would suggest a 48-hour response to email questions. These tools should be advertised via radio, TV, newspaper articles and/or letters to teachers.

We look forward to hearing from you with regard to the above-listed recommendation and procedure for community educational outreach.

Sincerely,

David Hermann, *Chair*
Community Advisory Board
for Nevada Test Site Programs

cc: C. Lockwood, NNSA/NSO
D. Rupp, NREI, CAB Administrator
M. Nielson, DOE/HQ (EM-13) FORS
C. Brennan, DOE/HQ (EM-13) FORS
CAB Members and Liaisons
NSO EM Records

Environmental Management's Monthly Report to the CAB June 2009

Low-Level Waste (LLW)

Activities (May)

- The Nevada Site Office (NSO) conducted a Radioactive Waste Acceptance Program (RWAP) Facility Audit of Idaho National Laboratory in Idaho Falls, ID. The team identified three (3) observations. The observations were not of significant impact to warrant termination of Idaho's Nevada Test Site Waste Acceptance Criteria certification. Idaho will respond to observations within the next 60 days.
- The NSO also conducted an impromptu surveillance of Brookhaven National Laboratory (BNL) in NY. The team discovered two (2) observations which BNL closed before the team finished its surveillance.
- The NSO also conducted a site visit visual inspection of a mixed low-level waste (MLLW) stream being treated at PermaFix Northwest in WA.
- As of May 31, 2009, the cumulative LLW volume received for FY 2009 is 762,246 ft³ in 850 shipments. The cumulative mixed LLW (MLLW) volume received for FY 2009 is 23,187 ft³ in 48 shipments. LLW Operations has worked 457,671 hours since its last lost-time accident (September 2003).
- On May 12, 2009, the Nevada Division of Environmental Protection started reviewing MLLW profiles. MLLW profiles had not been reviewed since 2008 as a result of the State of Nevada Attorney General's request.

Planned Activities (June)

- Expect to receive approximately 125,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct one (1) RWAP Audit of the Portsmouth generator and (1) impromptu Facility Surveillance.
- The Sub-Project will be conducting up-to four visual inspection site visits of MLLW treatments at generator sites.

Transuranic Waste (TRU)

In May, NSTec re-worked the two containers that were not shipped to the Idaho National Laboratory TRU Waste Consolidation Facility. A shipping date has not yet been scheduled. However, the shipment will be made before July 31, 2009.

On May 28, 2009, the Nevada Site Office submitted the Final 2009 Site Treatment Plan that contained a revised milestone. The new milestone calls for all legacy TRU wastes (drums and oversized box waste) to be shipped off-site by July 31, 2009.

Underground Test Area (UGTA)

Activities (May)

- Frenchman Flat
 - Recommendations made by the risk evaluation team were finalized and further tasks were identified and further risk management activities were identified including updating the conceptual site model.
- Pahute Mesa
 - Completed construction of the conductor hole at the ER-20-7 site.

- Completed the removal of the pump from the ER-EC-6 well and installation of isolation packers and tubing.
- Awarded Subcontracts for the purchase of 16 inch carbon steel casing and 7-5/8 inch stainless steel casing for the ER-20-7 and ER-EC-11 wells.
- Began mobilization to the first FY 2009 investigation well site, ER-20-7.
- Review of the drilling criteria document was completed by NSTec, USGS, NDEP, LANL, DRI and LLNL and comment resolution began.
- The drilling criteria document was reviewed by DOE and comments incorporated.
- Revisions to field instructions for groundwater sampling and drill cuttings logs were finalized.
- The Field Activity Work Plan for well drilling was drafted.
- The Environmental Baseline Survey for Well ER-EC-11 on the Nevada Test and Training Range (NTTR) was forwarded to Nellis Air Force Base personnel for review and approval.
- The Fluid Management and Waste Management plans were finalized and distributed to DOE and DRI.
- Yucca Flat
 - Continued the Phase I flow and transport modeling.
- Rainier Mesa/Shoshone Mountain
 - Continued the Phase I flow and transport modeling.

Planned Activities (June)

- Frenchman Flat
 - NSTec and SNJV will continue to compile and update data sets for inclusion in the fracture analysis and geologic databases.
 - Continue the Phase II flow and transport modeling.
 - Initiate additional risk evaluation tasks.
 - Monitoring objectives and decision trees will be reviewed by pre-emptive review committee.
- Pahute Mesa
 - Finalize the Phase II Well Drilling Criteria Report.
 - Complete drilling and completion of the ER-20-7 well.
 - Begin construction of the ER-EC-11 access road, drill pad and sumps.
 - Complete support for acquisition of subcontracts for new well drilling and related services.
- Yucca Flat
 - Continue the Phase I flow and transport modeling.
- Rainier Mesa/Shoshone Mountain
 - Continue the Phase I flow and transport modeling.

Industrial Sites

Activities (May)

- Corrective Action Unit (CAU) 114, Area 25 EMAD Facility
 - Continued closure field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Performed Waste Management activities
 - Submitted Draft Closure Report (CR) to Nevada Division of Environmental Protection (NDEP)
- CAU 130, Storage Tanks

- Received Final CR approval from NDEP
- CAUs 400, 407, 424, 426, 453, 484 & 487
 - Performed Post-Closure Inspection
- CAU 557, Spills and Tank Sites
 - Submitted Final Corrective Action Decision Document (CADD)/CR to NDEP
 - Performed Waste Management activities
- CAU 560, Septic Systems
 - Performed Waste Management activities

Planned Activities (June)

- CAUs 90, 92, 110 & 112
 - Perform Post-Closure Inspection
- CAU 111, Area 5 Waste Management Division Retired Mixed Waste Pits
 - Submit Final CADD/Corrective Action Plan (CAP) to NDEP
- CAU 114, Area 25 EMAD Facility
 - Continue closure field work
 - Submit Draft Streamlined Approach for Environmental Restoration (SAFER) to NDEP
 - Perform Waste Management activities
- CAU 134, Aboveground Storage Tanks
 - Submit Final CR to NDEP
- CAU 139, Waste Disposal Sites
 - Submit Draft CR to NDEP
- CAU 560, Septic Systems
 - Perform Waste Management activities

Soils

Activities (May)

- CAU 107, Low Impact Soil Sites
 - Received Final SAFER Plan, Revision 1, approval from NDEP
 - Submitted Draft CR to NDEP
- CAU 370, T-4 Atmospheric Test Site
 - Submitted the Final CADD/CR to NDEP
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Continue field work
 - Performed Waste Management activities

Planned Activities (June)

- CAU 107, Low Impact Soil Sites
 - Submit Final CR to NDEP
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Continue field work
- CAU 372, Area 20 Cabriole/Palanquin Unit Craters
 - Submit Final Corrective Action Investigation Plan (CAIP) to NDEP

Public Involvement

Activities (May)

- Operation Clean Desert display, the Waste Management Timeline, and Groundwater posters were exhibited at Rosemary Clarke Middle School in Pahrump on May 20 and 21, 2009 to approximately 400, 6th grade students. The annual, two-day event is part of a lesson plan developed to address Nevada Department of Education science objectives. Following a

presentation on historic and current activities at the Nevada Test Site, students had an opportunity to view and ask questions during rotations through the display and posters. All students were provided a copy of the Operation Clean Desert computer game and activity book, which was used to complete a required worksheet.

- Participated in the May 13 Community Advisory Board (CAB) for Nevada Test Site Programs Full Board meeting in Pahrump, NV.

Planned Activities (June)

- The Operation Clean Desert display is being exhibited at Bass Elementary School in Las Vegas, May 28 through July 1, 2009. It is expected that approximately 900 students will view the display during this time which includes the school's Science and Technology Week, an open house venue to which parents are invited.
- Participate in CAB activities.

Environmental Management's Monthly Report to the CAB July 2009

Low-Level Waste (LLW)

Activities (June)

- The LLW Sub-Project conducted a Radioactive Waste Acceptance Program (RWAP) Facility Audit of Portsmouth Plant in Ohio. The team identified three (3) findings and eight (8) observations. The team directed Portsmouth to self-suspend its PORT-LPP000012, *Building X-770 Contaminated Demolition Debris* waste stream because Portsmouth did not have procedures requiring it to designate PCB waste streams going to Nevada for disposal into the NTS' MLLW disposal unit. Although the team directed Portsmouth to self-suspend a waste stream, the findings and observations were not of significant impact to warrant termination of Portsmouth's Nevada Test Site Waste Acceptance Criteria certification. Portsmouth will respond to findings and observations within the next 60 days.
- As of June 28, 2009, the cumulative LLW volume received for FY 2009 is 845,019 ft³ in 951 shipments. The cumulative mixed LLW (MLLW) volume received for FY 2009 is 24,424 ft³ in 53 shipments. LLW Operations has worked 462,648 hours since its last lost-time accident (September 2003).

Planned Activities (July)

- Expect to receive approximately 150,000 ft³ of LLW and MLLW for disposal during the month.
- The LLW Sub-Project plans to conduct three (3) RWAP impromptu Facility Surveillances.
- The Sub-Project plans to submit the Corrective Actions Decision Document/Corrective Action Plan for closing the first 92-Acres of the Area 5 Radioactive Waste Management Site to the Nevada Division of Environmental Protection.

Transuranic Waste (TRU)

In June, the two remaining containers of TRU waste were certified for shipment to the Idaho National Laboratory TRU Waste Consolidation Facility. The final NTS TRU waste shipment has been scheduled for July 9, 2009.

Completion of the shipment will satisfy the Final 2009 Site Treatment Plan revised milestone for all legacy TRU wastes (drums and oversized box waste) to be shipped off-site by July 31, 2009.

Underground Test Area (UGTA)

Activities (June)

- Frenchman Flat
 - Nothing new to report.
- Pahute Mesa
 - Completed mobilization and drilled ER-20-7 well to a total depth of 2,936 feet and currently running geophysical logging services.
 - Tritium contamination was found at ER-20-7, this was expected. Levels present were between 10,000 and 60,000,000 pCi/L
 - Began construction of the ER-20-8 conductor hole and installed 30 inch OD casing to a depth of 104 feet.
 - Began construction of drill pad and sumps at the ER-EC-11 well site.
 - Began compiling information for the Well Completion Report for Well ER-20-7
- Yucca Flat

- Nothing new to report.
- Rainier Mesa/Shoshone Mountain
 - Nothing new to report.

Planned Activities (July)

- Frenchman Flat
 - Conduct final computer runs for the flow and transport model.
- Pahute Mesa
 - Complete construction and completion of the ER-20-7 investigation well.
 - Complete construction of the conductor hole, move drilling equipment from the ER-20-7 site to the ER-20-8 investigation well site and begin main hole construction activities.
 - Complete construction of the ER-EC-11 drill pad, sumps and conductor hole
- Yucca Flat
 - Nothing new to report.
- Rainier Mesa/Shoshone Mountain
 - Nothing new to report.

Industrial Sites

Activities (June)

- Corrective Action Units (CAUs) 90, 92, 110 and 112
 - Performed Post-Closure Inspection
- CAU 114, Area 25 EMAD Facility
 - Continued closure field work
 - Performed Waste Management activities
- CAU 116, Area 25 Test Cell C Facility
 - Began closure field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Submitted Final Closure Report (CR) to Nevada Division of Environmental Protection (NDEP)
- CAU 134, Aboveground Storage Tanks
 - Submitted Final CR to NDEP
- CAU 166, Storage Yards and Contaminated Materials
 - Completed closure field work
- CAU 560, Septic Systems
 - Performed Field Work and Waste Management activities

Planned Activities (July)

- CAU 111, Area 5 Waste Management Division Retired Mixed Waste Pits
 - Submit Final Corrective Action Decision Document (CADD)/Corrective Action Plan (CAP) to NDEP
- CAU 116, Area 25 Test Cell C Facility
 - Continue closure field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Receive approval from NDEP for Final CR
- CAU 134, Aboveground Storage Tanks
 - Receive approval from NDEP for Final CR
- CAU 408, Bomblet Target Area (Tonopah Test Range)
 - Begin field remediation activities
- CAU 562, Waste Systems

- Perform Waste Management activities

Soils

Activities (June)

- Corrective Action Unit (CAU) 107, Low Impact Soil Sites
 - Submitted Final Closure Report (CR) to Nevada Division of Environmental Protection (NDEP)
- CAU 370, T-4 Atmospheric Test Site
 - Received approval on Final Corrective Action Decision Document (CADD)/CR from NDEP
- CAU 371, Johnnie Boy Crater and Pin Stripe
 - Continued field work
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Submitted Final Corrective Action Investigation Plan (CAIP) to NDEP

Planned Activities (July)

- CAU 107, Low Impact Soil Sites
 - Receive approval from NDEP on Final CR
- CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters
 - Conduct Data Quality Objectives Meeting
- CAU 372, Area 20 Cabriolet/Palanquin Unit Craters
 - Receive approval on CAIP from NDEP

Public Involvement

Activities (June)

- The Operation Clean Desert display was exhibited at Bass Elementary School in Las Vegas during the entire month of June. Approximately 900 students viewed the display during this time which included the school's Science and Technology Week, an open house venue which parents attended.

Planned Activities (July)

- Participated in the July 8 Community Advisory Board (CAB) for Nevada Test Site Programs Full Board meeting in Las Vegas, NV.

It's Election Season!

Elections of the FY 2010 CAB Chair and Vice-Chair will take place at the September Full Board meeting. A response is needed from all. Please contact the CAB office by September 1, 2009 and advise if you would like to be considered for either position.

You may also nominate someone who you feel would be a valuable chair/vice-chair. Anyone nominated will be contacted to ensure they accept the nomination. A list of interested members will be provided to the Full Board and the officers will be elected by ballot at the September Full Board meeting.

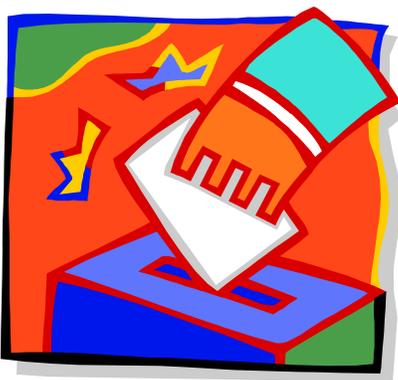


What are the Chair responsibilities?

- Serves at the Chair for 12 months (October 1 - September 30)
- Participates in bi-monthly EM SSAB Chairs conference calls
- Assists in the development of draft meeting agendas via bi-monthly conference calls
- Leads full board meetings
- Certifies to the accuracy of all minutes within 45 days
- Signs recommendations that the Board has passed by consensus/majority
- Serves as spokesperson for the CAB between regular meetings of the Board
- Attends national Site-Specific Advisory Board meetings and/or workshops semi-annually
- Adheres to all standard CAB member responsibilities (i.e. active on at least one committee, attendance requirements, etc)

What are the Vice-Chair responsibilities?

- Serves at the Vice-Chair for 12 months (October 1 – September 30)
- Participates in bi-monthly EM SSAB Chairs conference calls
- Assists in the development of draft meeting agendas via bi-monthly conference calls
- Acts as the CAB chair in the absence of the elected chair
- Attends national Site-Specific Advisory Board meetings and/or workshops semi-annually
- Adheres to all standard CAB member responsibilities (i.e. active on at least one committee, attendance requirements, etc)



Please contact the CAB office by September 1 and advise if you are willing to be considered for the FY 2010 Chair and/or Vice Chair positions.

Public Notification of Corrective Actions

June 3, 2009

Las Vegas, Nevada

The Department of Energy (DOE) will be submitting the following Corrective Action Unit (CAU) final Corrective Action Decision Document (CADD), CADD/Corrective Action Plan (CAP), CADD/Closure Report (CR), or Streamlined Approach for Environmental Restoration (SAFER) Work Plan, proposing closure-in-place to the Nevada Division of Environmental Protection (NDEP), during the next 60 days. This document will recommend a closure-in-place strategy in which engineering and/or administrative controls will be used to close the sites although contamination remains.

When submitting this document to NDEP, copies will be supplied to the Las Vegas and Carson City Public Reading Facilities for review. The Community Advisory Board (CAB) may request copies of the documents by contacting the CAB office at ntscab@nv.doe.gov. Submit comments regarding a decision document to Tim Murphy (NDEP) at TMurphy@ndep.nv.gov within 30 days of the document's release. Public Reading Facility addresses are listed below.

CAU Number	CAU Description	Document	Approximate Submittal Date
111	Area 5 WMD (Waste Management Division) Retired Mixed Waste Pits	CADD/CAP	7/7/09

Site Information for CAU 111, Area 5 WMD Retired Mixed Waste Pits

Location: Area 5

CAU Brief History: The 92-Acre Area constitutes the southeast quadrant of the Area 5 Radioactive Waste Management Site (RWMS) and contains 13 boreholes, 16 trenches, and 9 pits that were used to dispose packaged waste.

Contaminants of Concern: radioactive, hazardous, asbestos

Type of Corrective Action Taking Place: An engineered cover will be constructed over the 92-Acre Area, and a use restriction will be implemented.

Southern Nevada Public Reading Facility

c/o Nuclear Testing Archive

775 East Flamingo Road

Las Vegas, NV 89119

Northern Nevada Public Reading Facility

Nevada State Library and Archives

100 N. Stewart Street

Carson City, NV 89701-4285

Additionally, the following is a list of all documents submitted to the Public Reading Facilities during May 2009. Attached are the Executive Summaries from the CAU 130 CR, CAU 562 Corrective Action Investigation Plan (CAIP) and CAU 107 SAFER Plan.

CAU Number	CAU Description	Document	Submittal Date
130	Storage Tanks	CR	5/14/09
562	Waste Systems	CAIP	5/14/09
107	Low Impact Soil Sites	SAFER Plan	5/21/09

Executive Summary for CAU 130 CR

This Closure Report (CR) presents information supporting the closure of Corrective Action Unit (CAU) 130: Storage Tanks, Nevada Test Site, Nevada. This CR complies with the requirements of the *Federal Facility Agreement and Consent Order* that was agreed to by the State of Nevada; U.S. Department of Energy (DOE), Environmental Management; U.S. Department of Defense; and DOE, Legacy Management. The corrective action sites (CASs) within CAU 130 are located within Areas 1, 7, 10, 20, 22, and 23 of the Nevada Test Site. Corrective Action Unit 130 is comprised of the following CASs:

- 01-02-01, Underground Storage Tank
- 07-02-01, Underground Storage Tanks
- 10-02-01, Underground Storage Tank
- 20-02-03, Underground Storage Tank
- 20-99-05, Tar Residue
- 22-02-02, Buried UST Piping
- 23-02-07, Underground Storage Tank

This CR provides documentation supporting the completed corrective action investigations and provides data confirming that the closure objectives for CASs within CAU 130 were met. To achieve this, the following actions were performed:

- Reviewed the current site conditions, including the concentration and extent of contamination.
- Implemented any corrective actions necessary to protect human health and the environment.
- Properly disposed of corrective action and investigation-derived wastes.

From August 4 through September 30, 2008, closure activities were performed as set forth in the *Streamlined Approach for Environmental Restoration Plan for CAU 130, Storage Tanks, Nevada Test Site, Nevada*. The purposes of the activities as defined during the data quality objectives process were:

- Determine whether contaminants of concern (COCs) are present.
- If COCs are present, determine their nature and extent, implement appropriate corrective actions, confirm that no residual contamination is present, and properly dispose of wastes.

Constituents detected during the closure activities were evaluated against final action levels to identify COCs for CAU 130. Assessment of the data generated from closure activities indicates that no further action is necessary because no COCs were identified at any CAU 130 CAS. Debris removal from these CASs was considered a best management practice because no contamination was detected.

The DOE, National Nuclear Security Administration Nevada Site Office provides the following recommendations:

- No further corrective action is required at all CAU 130 CASs.
- A Notice of Completion to DOE, National Nuclear Security Administration Nevada Site Office, is requested from the Nevada Division of Environmental Protection for closure of CAU 130.
- Corrective Action Unit 130 should be moved from Appendix III to Appendix IV of the Federal Facility Agreement and Consent Order.

Executive Summary for CAU 562 CAIP

Corrective Action Unit 562 is located in Areas 2, 23, and 25 of the Nevada Test Site, which is approximately 65 miles northwest of Las Vegas, Nevada. Corrective Action Unit 562 is comprised of the 13 corrective action sites (CASs) listed below:

- 02-26-11, Lead Shot
- 02-44-02, Paint Spills and French Drain
- 02-59-01, Septic System
- 02-60-01, Concrete Drain
- 02-60-02, French Drain
- 02-60-03, Steam Cleaning Drain
- 02-60-04, French Drain
- 02-60-05, French Drain
- 02-60-06, French Drain
- 02-60-07, French Drain
- 23-60-01, Mud Trap Drain and Outfall
- 23-99-06, Grease Trap
- 25-60-04, Building 3123 Outfalls

These sites are being investigated because existing information on the nature and extent of potential contamination is insufficient to evaluate and recommend corrective action alternatives. Additional information will be obtained by conducting a corrective action investigation before evaluating corrective action alternatives and selecting the appropriate corrective action for each CAS. The results of the field investigation will support a defensible evaluation of viable corrective action alternatives that will be presented in the Corrective Action Decision Document.

The sites will be investigated based on the data quality objectives (DQOs) developed on December 11, 2008, by representatives of the Nevada Division of Environmental Protection; U.S. Department of Energy (DOE), National Nuclear Security Administration Nevada Site Office; Stoller-Navarro Joint Venture; and National Security Technologies, LLC. The DQO process was used to identify and define the type, amount, and quality of data needed to develop and evaluate appropriate corrective actions for CAU 562.

Appendix A provides a detailed discussion of the DQO methodology and the DQOs specific to each CAS.

The scope of the corrective action investigation for CAU 562 includes the following activities:

- Move surface debris and/or materials, as needed, to facilitate sampling.
- Conduct radiological surveys.
- Perform field screening.
- Collect and submit environmental samples for laboratory analysis to determine the nature and extent of any contamination released by each CAS.
- Collect samples of source material to determine the potential for a release.
- Collect samples of potential remediation wastes.
- Collect quality control samples.

This Corrective Action Investigation Plan has been developed in accordance with the *Federal Facility Agreement and Consent Order* that was agreed to by the State of Nevada; DOE, Environmental Management; U.S. Department of Defense; and DOE, Legacy Management (FFACO, 1996; as amended February 2008). Under the *Federal Facility Agreement and Consent Order*, this Corrective Action Investigation Plan will be submitted to the Nevada Division of Environmental Protection for approval. Fieldwork will be conducted following approval of the plan.

Executive Summary for CAU 107 SAFER Plan

This Streamlined Approach for Environmental Restoration Plan covers activities associated with Corrective Action Unit (CAU) 107 of the *Federal Facility Agreement and Consent Order* (1996 [as amended February 2008]). CAU 107 consists of the following Corrective Action Sites (CASs) located in Areas 1, 2, 3, 4, 5, 9, 10, and 18 of the Nevada Test Site.

- CAS 01-23-02, Atmospheric Test Site - High Alt
- CAS 02-23-02, Contaminated Areas (2)
- CAS 02-23-03, Contaminated Berm
- CAS 02-23-10, Gourd-Amber Contamination Area
- CAS 02-23-11, Sappho Contamination Area
- CAS 02-23-12, Scuttle Contamination Area
- CAS 03-23-24, Seaweed B Contamination Area
- CAS 03-23-27, Adze Contamination Area
- CAS 03-23-28, Manzanitas Contamination Area
- CAS 03-23-29, Truchas-Chamisal Contamination Area
- CAS 04-23-02, Atmospheric Test Site T4-a
- CAS 05-23-06, Atmospheric Test Site
- CAS 09-23-06, Mound of Contaminated Soil
- CAS 10-23-04, Atmospheric Test Site M-10
- CAS 18-23-02, U-18d Crater (Sulky)

Based on historical documentation, personnel interviews, site process knowledge, site visits, photographs, engineering drawings, field screening, analytical results, and the results of data quality objectives process (Section 3.0), closure in place with administrative controls or no further action will be implemented for CAU 107.

CAU 107 closure activities will consist of implementing use restrictions (URs) at two sites, CAS 03-23-29 and CAS 18-23-02. Of the 15 sites, 13 do not require URs.

Public Notification of Corrective Actions

July 1, 2009

Las Vegas, Nevada

The Department of Energy (DOE) will be submitting the following Corrective Action Unit (CAU) final Corrective Action Decision Document (CADD), CADD/Corrective Action Plan (CAP), CADD/Closure Report (CR), or Streamlined Approach for Environmental Restoration (SAFER) Work Plan, proposing closure-in-place to the Nevada Division of Environmental Protection (NDEP), during the next 60 days. This document will recommend a closure-in-place strategy in which engineering and/or administrative controls will be used to close the sites although contamination remains.

When submitting this document to NDEP, copies will be supplied to the Las Vegas and Carson City Public Reading Facilities for review. The Community Advisory Board (CAB) may request copies of the documents by contacting the CAB office at ntscab@nv.doe.gov. Submit comments regarding a decision document to Tim Murphy (NDEP) at TMurphy@ndep.nv.gov within 30 days of the document's release. Public Reading Facility addresses are listed below.

CAU Number	CAU Description	Document	Approximate Submittal Date
111	Area 5 WMD (Waste Management Division) Retired Mixed Waste Pits	CADD/CAP	7/15/09

Site Information for CAU 111, Area 5 WMD Retired Mixed Waste Pits

Location: Area 5

CAU Brief History: The 92-Acre Area constitutes the southeast quadrant of the Area 5 Radioactive Waste Management Site (RWMS) and contains 13 boreholes, 16 trenches, and 9 pits that were used to dispose packaged waste.

Contaminants of Concern: radioactive, hazardous, asbestos

Type of Corrective Action Taking Place: An engineered cover will be constructed over the 92-Acre Area, and a use restriction will be implemented.

Southern Nevada Public Reading Facility

c/o Nuclear Testing Archive

775 East Flamingo Road

Las Vegas, NV 89119

Northern Nevada Public Reading Facility

Nevada State Library and Archives

100 N. Stewart Street

Carson City, NV 89701-4285

Additionally, the following is a list of all documents submitted to the Public Reading Facilities during June 2009. Attached are the Executive Summaries from the CAU 557 CADD/CR and CAU 370 CADD/CR.

CAU Number	CAU Description	Document	Submittal Date
557	Spills and Tank Sites	CADD/CR	6/8/09
370	T-4 Atmospheric Test Site	CADD/CR	6/12/09

Executive Summary for CAU 557 CADD/CR

This Corrective Action Decision Document/Closure Report has been prepared for Corrective Action Unit (CAU) 557, Spills and Tank Sites, in Areas 1, 3, 6, and 25 of the Nevada Test Site, Nevada, in accordance with the *Federal Facility Agreement and Consent Order*. Corrective Action Unit 557 comprises the following corrective action sites (CASs):

- 01-25-02, Fuel Spill
- 03-02-02, Area 3 Subdock UST
- 06-99-10, Tar Spills
- 25-25-18, Train Maintenance Bldg 3901 Spill Site

The purpose of this Corrective Action Decision Document/Closure Report is to identify and provide the justification and documentation that supports the recommendation for closure of the CAU 557 CASs with no further corrective action. To achieve this, a corrective action investigation (CAI) was conducted from May 5 through November 24, 2008. The CAI activities were performed as set forth in the *Corrective Action Investigation Plan for Corrective Action Unit 557: Spills and Tank Sites, Nevada Test Site, Nevada*.

The purpose of the CAI was to fulfill the following data needs as defined during the data quality objective (DQO) process:

- Determine whether contaminants of concern (COCs) are present.
- If COCs are present, determine their nature and extent.
- Provide sufficient information and data to complete appropriate corrective actions.

The CAU 557 dataset from the investigation results was evaluated based on the data quality indicator parameters. This evaluation demonstrated the quality and acceptability of the dataset for use in fulfilling the DQO data needs.

Analytes detected during the CAI were evaluated against appropriate final action levels established in this document to identify the presence or absence of COCs at each of the CAU 557 CASs. Results of the CAI did not indicate the presence of contaminants at concentrations exceeding their corresponding final action levels at any of the sites; therefore, the DQO data needs were met, and it was determined that no corrective action (based on risk to human receptors) is necessary for the site.

Based on the evaluation of the data quality indicator parameters for the CAI, the quality and acceptability of the dataset were demonstrated by fulfilling the DQO needs. Therefore, the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office provides the following recommendations:

- No further action is necessary for CAU 557.
- A Notice of Completion to the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office is requested from the Nevada Division of Environmental Protection for closure of CAU 557.
- Corrective Action Unit 557 should be moved from Appendix III to Appendix IV of the *Federal Facility Agreement and Consent Order*.

Executive Summary for CAU 370 CADD/CR

This Corrective Action Decision Document/Closure Report has been prepared for Corrective Action Unit (CAU) 370, T-4 Atmospheric Test Site, located in Area 4 at the Nevada Test Site, Nevada, in accordance with the *Federal Facility Agreement and Consent Order (FFACO)*. Corrective Action Unit 370 is comprised of Corrective Action Site (CAS) 04-23-01, Atmospheric Test Site T-4.

The purpose of this Corrective Action Decision Document/Closure Report is to provide justification and documentation supporting the recommendation that no further corrective action is needed for CAU 370 due to the implementation of the corrective action of closure in place with administrative controls. To achieve this, corrective action investigation (CAI) activities were performed from June 25, 2008, through April 2, 2009, as set forth in the *Corrective Action Investigation Plan for Corrective Action Unit 370: T-4 Atmospheric Test Site* and Record of Technical Change No. 1.

The approach for the CAI was divided into two facets: investigation of the annular distribution of radionuclides and investigation of other releases (americium plumes, migration in washes, and chemical releases). The purpose of the CAI was to fulfill the following data needs as defined during the data quality objective (DQO) process:

- Determine whether contaminants of concern (COCs) are present by collecting samples (a) in areas most likely to contain a COC (judgmental sampling) or (b) that properly represent contamination within a sampled area (probabilistic sampling).
- Use an analytical suite that is sufficient to identify COCs present in samples.
- Establish a decreasing trend of total effective dose equivalent rates from more than 25 millirem per year (mrem/yr) to less than 25 mrem/yr in three directions (vectors) from ground zero that sufficiently determines a boundary around the area posing a dose rate of more than 25 mrem/yr (annular distribution).
- Determine extent of contamination by collecting samples in areas contiguous to contamination but where contaminant concentrations are below final action levels (FALs) (other releases).
- Determine potential remediation waste types by sampling the relevant waste or environmental media.

A data quality assessment was performed on the CAU 370 dataset. This assessment demonstrated the quality and acceptability of the dataset for use in fulfilling the DQO data needs.

Analytes detected during the CAI were evaluated against FALs established in this document. Radiological doses were found to be present in the surface soil at levels exceeding the FAL of 25 mrem/yr, and lead was present exceeding potential source material criteria.

Due to the identification of lead objects and the determination of radiological dose exceeding the FALs, corrective actions were undertaken that consist of:

- Implementing a use restriction (i.e., posting use restriction signs on the existing fence).
- Recording the use restriction for the site in the FFACO and Facility Information Management System.

A use restriction boundary was established that encompasses the locations where the 95 percent upper confidence limit of the average for the total effective dose equivalent that exceeds the FAL and locations of potential lead contamination.

No further corrective action (based on risk to human receptors) is necessary. Therefore, the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office provides the following recommendations:

- No further corrective action is required at CAU 370.
- A Notice of Completion to the U.S. Department of Energy, National Nuclear Security Administration Nevada Site Office is requested from the Nevada Division of Environmental Protection for closure of CAU 370.
- Move CAU 370 from Appendix III to Appendix IV of the FFACO.