



Full Board Meeting January 28, 2009

In this folder you will find:

- 1) 01-28-09 Draft Agenda (blue)
- 2) 11-12-08 Full Board Meeting Minutes – for your files (gray)
- 3) Attendance Spreadsheet (white)
- 4) Presentation - TRU Update (white)
- 5) Presentation - Pahute Mesa Groundwater Update (white)
- 6) CAB's Recommendation Letter – NTSCAB web site (lavender)
- 7) DOE's Monthly Report to the CAB (white)
- 8) Draft SSAB letter to Assistant Secretary for EM (green)
- 9) FFACO - Public Notifications of Corrective Actions (gold)



AGENDA

CAB FULL BOARD MEETING

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

January 28, 2009 - 5:00 p.m.

No Call-In Number Available

1. **Open Meeting / Agenda Review** **Denise Rupp/Kelly Snyder**, Facilitator
2. **Chair's Opening Remarks:** **Dave Hermann**, Board Chair
 - Agenda Approval
3. **Public Comment** **Denise Rupp/Kelly Snyder**, Facilitator
4. **Presentation:**
 - **TRU Update** **Gary Pyles**, DOE
 - **Pahute Mesa Groundwater Update** **Bill Wilborn**, DOE
5. **Committee Updates:**
 - **Budget Committee** **Jack Ramsey**, Committee Chair
 - **Environmental Management Public Information Review Effort (EMPIRE)** **Walt Wegst**, Committee Chair
 - Committee's Recommendation Letter for Board Approval
 - **Outreach** **Hal Sullivan**, Committee Chair
 - **Transportation / Waste** **Ted Oom**, Committee Chair
 - Discussion on Attorney General's letter to DOE
 - **Underground Test Area (UGTA)** **Bob Gatliff**, Committee Chair
6. **DOE Update:** **Kelly Snyder**, DOE DDFO
 - CAB Monthly Report
7. **Other CAB Business:** **Dave Hermann**, Board Chair
 - Upcoming EM Site Specific Advisory Board Chairs Meeting and Representatives
 - Savannah River Site – March 16-17, 2009
 - Review and comment on Draft SSAB letter
 - March 2009 Full Board Meeting – *location and suggested briefings*
 - Cultural Resources Presentation
 - May 2009 Full Board Meeting – *location and suggested briefings*
 - Transportation Study Update
 - Suggested location - Pahrump
 - Ron Salzano Membership Forfeiture
8. **December and January State of Nevada Notifications** **Kelly Snyder**, DOE DDFO
9. **Meeting Wrap-Up / Assessment** **Denise Rupp/Kelly Snyder**, Facilitator

CAB MEETING ATTENDANCE

Bi-Monthly Full Board Meetings

January 2008 through December 2008

Name	1/10/08	3/11/08	5/14/08	7/9/08	9/10/08	11/12/08	Maximum Terms Limit
Paul Adras	U	U	RM	RM	RM	RM	Removed
Kathleen Bienenstein	N/A	√ N/A	√ N/A	√	√	√	May 21, 2014
Joe Boylan	N/A	N/A	N/A	U	RS	RS	Resigned
Bob Gatliff	√	√	√	√	√	√	August 10, 2010
Lee Geiser	N/A	√ N/A	√ N/A	E	U	RM	Removed
Bob Hoving	N/A	√ N/A	√ N/A	RS	RS	RS	Resigned
David Hermann	√	√	√	√	√	√	August 10, 2010
Robert Johnson	√	√	√	√	√	√	June 1, 2012
Bill Lindsey	N/A	√ N/A	√ N/A	√	√	√	May 21, 2014
John McGrail	N/A	√ N/A	√ N/A	√	√	√	May 21, 2014
Vernell McNeal	√	E	√	√	√	E	June 1, 2012
Ted Oom	√	√	√	√	√	√	June 1, 2012
Jack Ramsey	E	√	E	√	√	√	August 10, 2010
Ron Salzano	N/A	N/A	√ N/A	U	√	U	May 21, 2014
Ted Schweitzer	N/A	√ N/A	√ N/A	√	√	√	May 21, 2014
Herb Spiegel	N/A	√ N/A	N/A	√	√	√	May 21, 2014
Stacy Standley	√	E	√	√	E	√	June 1, 2012
Hal Sullivan	E	√	√	√	√	√	June 1, 2012
Jim Weeks	E	E	√	√	√	√	June 1, 2012
Walt Wegst	√	√	√	√	√	√	June 1, 2012
Key:							
√ = Present							
Blue Cell = Absent → E = Excused U = Unexcused							
N/A = Attendance Requirements Not Applicable - New Recruit							
RM = Removed							
RS = Resigned							

Transuranic (TRU) Waste Sub-Project Update



Gary L. Pyles

Acting Federal TRU Sub-Project Director
Community Advisory Board (CAB) Meeting
January 28, 2009



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Recent TRU Waste Activities

- Characterization and repackaging of the oversized boxes (OSBs) began on August 25, 2008
- Loading TRU waste into TRUPACT-II shipping containers began on November 24, 2008
- TRU waste shipments to the Idaho Consolidation Site began on December 2, 2008



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TRU Waste Inventory



- Completed the characterization and repackaging of the 58 OSBs during December 2008
 - Nine (9) were determined to be mixed low-level waste (MLLW) following characterization using the In-Situ Object Counting System in March 2008
 - Six (6) of the MLLW OSBs were treated (via macroencapsulation) and disposed on-site in May 2008
 - Three (3) remaining MLLW OSBs require the removal of prohibited items (per Nevada Test Site Waste Acceptance Criteria) prior to on-site treatment and disposal



TRU Waste Inventory

(continued)

- Fifty percent (by weight) of the remaining 49 OSBs were characterized as low-level waste (LLW) or MLLW
 - Thirteen (13) cargo containers of LLW were generated (375 cubic meters)
 - Thirteen (13) OSBs and one (1) standard waste box of MLLW were generated (55 cubic meters)



TRU Waste Inventory

(continued)

- Characterization and repackaging of the 104 drums completed in January 2009
 - Two (2) drums were determined to be LLW
 - Thirty-four (34) drums repackaged as TRU (increased by five following a review by the Carlsbad Field Office) - some waste packaged in standard waste boxes
 - Sixty-eight (68) were characterized as TRU
- A total of 78 standard waste boxes and 17 drums containing TRU were generated by repackaging activities



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TRUPACT-II Mobile Loading

- Carlsbad Field Office personnel certify the TRU waste and approve the shipping load list
- NSTec waste handlers and crane operator support Carlsbad Field Office personnel during loading of TRU waste packages into the TRUPACT-IIs
 - Leak test performed to ensure TRUPACT-IIs are safely sealed



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Shipments

- Carlsbad Field Office identifies shipping route and works with the Western Governor's Association on shipping schedule
- Nevada Highway Patrol and State of Nevada Radiological Health conducted inspections and radiation surveys prior to shipments departing the Nevada Test Site
- Nevada Highway Patrol escorted all shipments to the Nevada state line
- Eleven (11) shipments (three TRUPACT-IIs per shipment) completed
 - Fifty-five (55) standard waste boxes and 58 drums total



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Shipments (continued)



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Future Shipments

- Remaining TRU waste is packaged in 23 standard waste boxes and 27 drums
 - Approximately 13 standard waste boxes need to be repackaged
 - Eight (8) drums require Carlsbad Field Office to perform gas generation tests prior to loading into the TRUPACT-IIs
 - Eight (8) high-radiation drums require repackaging guidance from the Carlsbad Field Office
- TRU Waste Sub-Project activities/shipments are expected to be complete by the end of April 2009



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VERB and TRU Pad Cover Building Decontamination and Decommissioning

- Following the completion of TRU Waste Sub-Project activities the Visual Examination and Repackaging Building and TRU Pad Cover Building (used for temporary storage) will be decontaminated (as necessary) and decommissioned
- Nevada Site Office pursuing new mission for facility use



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Transport Model Overview



Bill Wilborn

Underground Test Area Federal Sub-Project Director
Nevada Site Office (NSO)
Community Advisory Board (CAB) Meeting
January 28, 2009



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Nevada Test Site Groundwater Activities

- In accordance with the Federal Facility Agreement and Consent Order, the Underground Test Area Sub-Project operates under a two phase approach at five Corrective Action Units
- Phase I for Pahute Mesa Correction Action Unit – establishes expected location and flow of groundwater contamination
 - Drilling/data collection (complete)
 - Analysis (complete)
 - Model Development (complete the week of February 9)



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Nevada Test Site Groundwater Activities

(continued)

- Phase II for Pahute Mesa Correction Action Unit – scientifically refines Phase I
 - Drilling/data collection (begins May 2009)
 - Analysis (future activity)
 - Model Development (future activity)



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Pahute Mesa Groundwater Model

- Regional groundwater flow model (1997) indicated off-site migration of contamination was probable
- Phase I transport model predicts migration of tritium and carbon-14 off of the Nevada Test Site within 50 years of first nuclear detonation (1966)
- No contamination has been detected off of the Nevada Test Site boundaries



EM Environmental Management

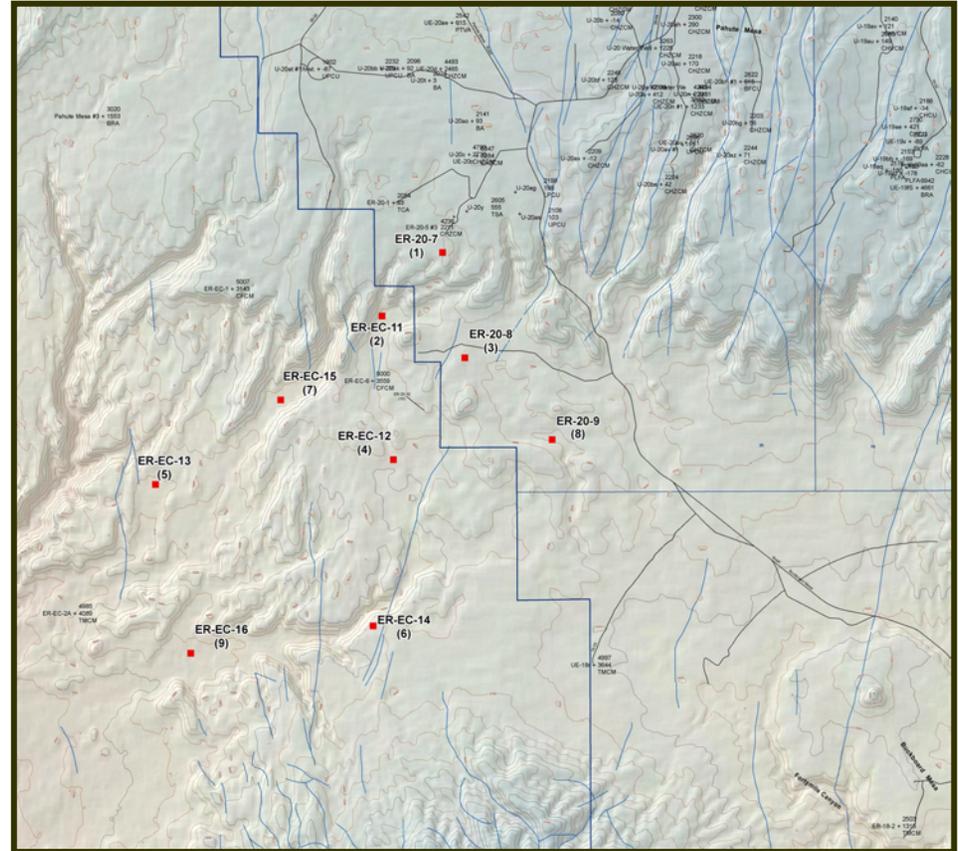
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Drilling

- Phase II drilling will begin in May 2009
- Nine well sites identified
 - Three wells will be drilled in FY 2009
 - Remaining six wells will be drilled within the following three years



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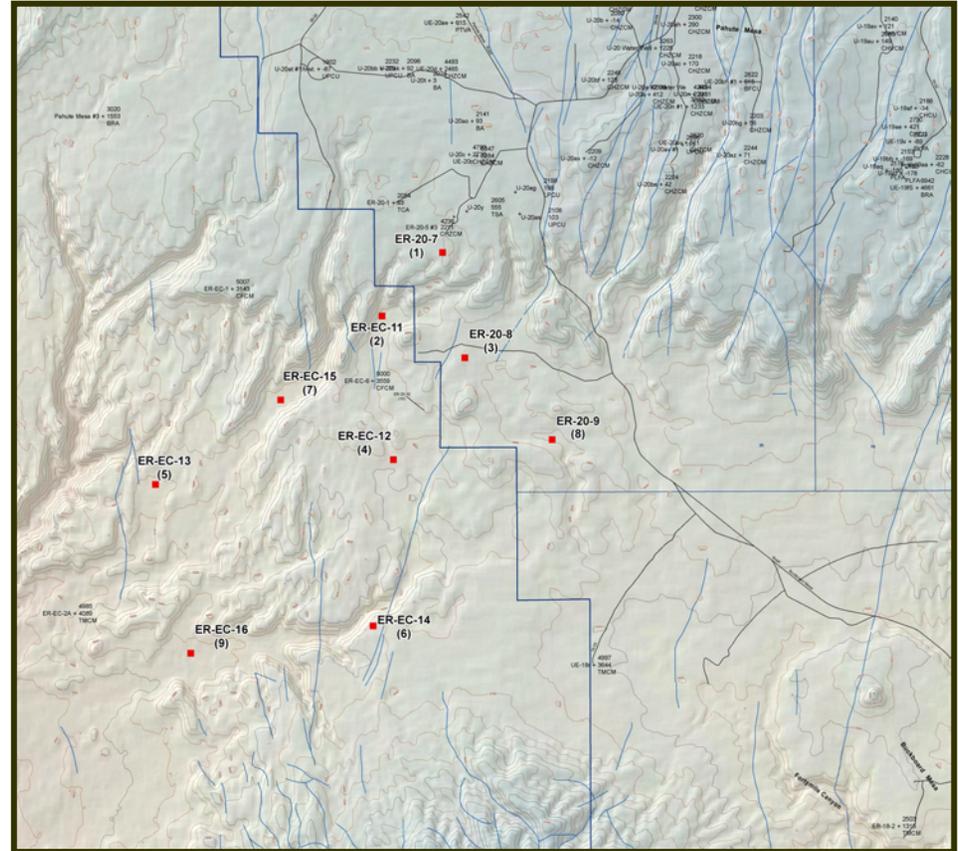
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Drilling

(continued)

- Detection of contamination is expected in first well (ER-20-7) which is located on the Nevada Test Site
 - Detection would validate models



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Communication

- Nevada Site Office currently communicating completion of Phase I and commencement of drilling program to fellow government entities and elected officials
- Public communication through an advisory board public meeting (January 28 in Las Vegas) and Community Open House (February 18 in Beatty)



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Community Advisory Board for Nevada Test Site Programs

January 28, 2009

Members

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

Robert Gatliff, Chair
Underground Test Area (UGTA) Committee
Robert Johnson
Vernell McNeal
Theodore Oom, Chair
Transportation/Waste Committee
Jackson Ramsey, Ph.D., Chair
Budget Committee
Membership Committee
Stacy Standley
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

Ms. Kelly Snyder, DDFO
U.S. Department of Energy, Nevada Site Office
P. O. Box 98510
Las Vegas, NV 89193-8518

SUBJECT: Community Advisory Board for Nevada Test Site Programs
(CAB) Recommendations for Revisions to the CAB Web Site
www.ntscab.com

Dear Ms. Snyder,

Following are specific suggestions for revisions to the web site referenced in the subject of this letter:

Home

About the CAB

Line 2

replace "appointed formal" with "federally appointed"

Who We Are

Line 12

after "Board," insert "while also"

Line 13

replace "or" with "and"

Liaisons

Line 1

replace "while not voting" with "who are not"

Line 5

replace "a variety of" with "two"

Line 6

replace "concern. Also, the CAB may independently" with "concern, or, the CAB"

Line 6

replace "initiate issues for review that" with "initiate review of environmental issues. The results of these reviews are then"

Line 9

replace "understand" with "review"

Lines 9 & 10

reverse order of last two sentences

Mission and Charter

Mission

Line 1	delete "will"
Line 1	replace "review" with "reviews"
Line 2	delete "will"
Line 2	replace "provide" with "provides"
Lines 3 & 4	replace "the DOE/NSO Environmental Management program" with "these programs"

Meeting Minutes

Join Us at a CAB Meeting!

Line 3	replace "agenda, any handouts that were given and minutes." with "agendas, materials distributed to the Board and minutes of the meetings."
Meeting Listings	1) use name of location facility as well as address 2) add maps to meeting locations

Letters

CAB Recommendations

Lines 2 & 3	replace "communicate on a routine basis" with "routinely communicate"
Line 4	replace "Listed below are the formal correspondence" with "The following list includes copies of these communications."

Committees

CAB Committees and Work Plans

Line 2	replace "has developed" with "includes"
Lines 6-9	replace "Other than...currently active" with "for its review and approval before transmitting the recommendation to the DOE. All committees are standing committees except Budget and Membership which are activated as pertinent issues arise."
Committee Listing	add Executive Committee description – Executive Committee – Made up of the CAB Chair, Vice-Chair, and all committee chairs. The committee meets on a regular basis to discuss issues related to CAB operations.
Outreach	add "DOE" before "Environmental Management"
T/W	replace "discuss" with "provide recommendations regarding"
UGTA	replace "discuss" with "provide recommendations regarding"

Reference

Reference Material

Title	replace "Material" with "Materials"
Line 1	replace "material" with "materials"
Line 1	replace "has" with "have been"

Public Reading Room

- 1) add "Dina Titus Public Reading Room"
- 2) add "Frank Rogers Science and Technology Building"
- 3) add hours
- 4) add map
- 5) remove "C" from street address

Ms. Kelly Snyder
U.S. Department of Energy, Nevada Site Office
January 28, 2009
Page 3

Monthly Reports

EM Monthly Reports

Title replace "EM" with "Environmental Management"

Members

CAB Members and Staff

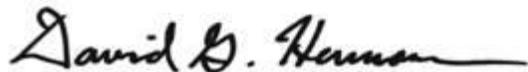
CAB Members move chair and vice-chair to top
CAB Liaisons replace "Stephen Mellington" with "Janet Appenzeller-Wing" and add her bio
CAB Staff remove Dr. Helen Neill and create new "Technical Advisory Staff"
 including "Dr. Helen Neill, UNLV" and "Jennifer Ward, UNLV"
Bios replace "Tom Oom" with "Ted Oom"
Bios correct all doctorate references

Links

- 1) add identification to NSO as local site
- 2) add WIMS site (<http://wims.arc.fiu.edu/wims/default.aspx>)

We appreciate the opportunity to review and comment on changes, revisions and updates of the web site and will continue working to help improve Environmental Management's efforts to effectively communicate with the public.

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

Public Notification of Corrective Actions

January 7, 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 Rooms 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 Room addresses are listed below.

CAU Number	CAU Description	Document	Approximate Submittal Date
546	Injection Well and Surface Releases	CADD/CR	12/19/08
116	Area 25 Test Cell C Facility	SAFER	1/2/09

Site Information for CAU 546, Injection Well and Surface Spills, CAS 09-20-01, Injection Well

Location: Area 9

CAU Brief History: Corrective Action Site (CAS) 09-20-01 is located within the U-9a crater and consists of an injection well and a drum. The injection well received decontamination waste and classified core. The origin of the drum is unknown.

Contaminants of Concern: radionuclides, total petroleum hydrocarbons – diesel-range organics, *Resource Conservation and Recovery Act* metals, polychlorinated biphenyls (PCBs), volatile organic compounds and semivolatile organic compounds

Type of Corrective Action Taking Place: Close-in-place with a Use Restriction for the subsurface soil. Although no contaminants of concern were identified in the surface soil the site is being closed-in-place because of the contamination suspected to be in the subsurface due to releases from the injection well.

Site Information for CAU 116, Area 25 Test Cell C Facility, CASs 25-23-20, Nuclear Furnace Piping and 25-41-05, Test Cell C Facility

Location: Area 25

CAU Brief History: Numerous nuclear reactor experiments were conducted at Test Cell C.

Contaminants of Concern: radioactive, asbestos, lead, mercury, PCBs, cadmium

Type of Corrective Action Taking Place: Through a SAFER Plan, all hazardous and regulated materials will be removed for disposal; Building 3210 will be demolished; demolition debris will be placed in the remaining basement structure and capped, and appropriate radiological and use restriction postings will be installed.

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 Rooms during December 2008. Executive Summaries are not available for these documents.

CAU Number	CAU Description	Document	Submittal Date
134	Aboveground Storage Tanks	SAFER Addendum	12/3/08
92	Area 6 Decon Pond Facility	CR Addendum	12/22/08
127	Areas 25 and 26 Storage Tanks	Final Letter Report	12/22/08
224	Decon Pad and Septic Systems	Final Letter Report	12/22/08

Public Notification of Corrective Actions

December 2, 2008

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.

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546	Injection Well and Surface Releases	CADD/CR	12/19/08

Site Information for CAU 546, Injection Well and Surface Spills, CAS 09-20-01, Injection Well

Location: Area 9

CAU Brief History: Corrective Action Site (CAS) 09-20-01 is located within the U-9a crater and consists of an injection well and a drum. The injection well received decontamination waste and classified core. The origin of the drum is unknown.

Contaminants of Concern: radionuclides, total petroleum hydrocarbons – diesel-range organics, *Resource Conservation and Recovery Act* metals, polychlorinated biphenyls, volatile organic compounds and semivolatile organic compounds

Type of Corrective Action Taking Place: Close-in-place with a Use Restriction for the subsurface soil. Although no contaminants of concern were identified in the surface soil the site is being closed-in-place because of the contamination suspected to be in the subsurface due to releases from the injection well.

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 Rooms during November 2008. Attached is the Executive Summary from the CAU 107 SAFER Plan.

CAU Number	CAU Description	Document	Submittal Date
107	Low Impact Soil Sites	SAFER	11/06/08

Executive Summary for CAU 107

This Streamlined Approach for Environmental Restoration Plan covers activities associated with Corrective Action Unit (CAU) 107 of the *Federal Facility Agreement and Consent Order* (FFACO, 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, Manzanas 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 verifying that the current postings required under Title 10 Code of Federal Regulations (CFR) Part 835 are in place and implementing use restrictions (URs) at two sites, CAS 03-23-29 and CAS 18-23-02. The current radiological postings combined with the URs are adequate administrative controls to limit site access and worker dose.

To: New EM-1

The eight local boards that make up EM's Site Specific Advisory Board (EM SSAB) welcome you to your new position as Assistant Secretary for Environmental Management (EM). We look forward to continuing the positive, collaborative working relationship the EM SSAB, has with the U.S. Department of Energy (DOE).

Each local board provides advice or recommendations on policy issues that affect their respective sites. We are committed to providing DOE EM with clear, concise advice that reflects the values of those representatives sitting on the board and to a limited extent a larger segment of the public. We are a sounding board for the public policy necessary to support sustainable remediation decisions.

The EM SSAB chairs' meetings provide representatives from around the complex an opportunity to obtain programmatic information from DOE EM staff and to exchange that information. The open discourse that takes place in these meetings not only serves to help DOE EM understand stakeholder concerns but can provide insight to assist the DOE in designing public meetings where complex issues need to be clearly presented to the larger public for discussion and input. The institutional knowledge and experiences that the EM SSAB brings to the table are invaluable. The recommendations the EM SSAB has provided to DOE are a reflection of the richness of the dialogue between the local boards, various stakeholders and DOE.

We look forward to a continuation of the improvement initiatives implemented prior to your appointment as Assistant Secretary; requiring high standards of project management skills for EM projects across the DOE complex; actively seeking young technical staff capable of assuming the responsibilities of retiring employees; and sharing real project budgets and cleanup schedules with stakeholders in time to get valuable input and others.

We firmly believe that citizen involvement and community investment are critical elements in achieving successful DOE EM site cleanup. This "fourth leg of the stool" along with our government, scientific and regulatory communities strengthens the common goal of reaching more cost effective and sustainable clean-up decisions. We encourage you to continue supporting a strong commitment to informing the public and providing opportunities for people to participate in their own future.

We are hopeful that this exchange of ideas and values will continue to grow and flourish as more cleanup decisions are developed, implemented and completed throughout the DOE complex.

Environmental Management's Monthly Report to the CAB January 2009

Low-Level Waste (LLW)

Completed Activities (December)

- The Nevada Site Office (NSO) conducted one (1) Radioactive Waste Acceptance Program (RWAP) impromptu facility evaluation of the Paducah Site Office.
- The Nevada Division of Environmental Protection, NSO and RWAP attended the PermaFix Users Meeting on December 15-19, 2008 in Nashville, TN. These organizations also presented their expectations/instructions to dispose LLW/MLLW at the NTS to the PermaFix users.
- As of December 30, 2008, the cumulative LLW volume received for FY 2009 is 374,273ft³ in 369 shipments. The cumulative mixed LLW volume received for FY 2009 is 4,701 ft³ in 13 shipments. LLW Operations has worked 429,899 hours since its last lost-time accident (September 2003).
- Acceptance of new waste streams of mixed LLW for disposal is still under hiatus due to Letter from Nevada's Attorney General.

Planned Activities (January)

- Expect to receive over 87,000 ft³ of LLW and mixed LLW for disposal during the month.
- The LLW Sub-Project expects to conduct one (1) RWAP Audit of the PermaFix' Northwest Facility in the state of Washington on January 12, 2009. Depending on the results of that Audit, the facility may be able to restart shipping to the NTS. Also, the Sub-Project may allow other PermaFix sites to resume their shipping campaigns.
- The LLW Sub-Project plans to conduct three (3) Impromptu Surveys of various NTS LLW/MLLW generators.
- The LLW Sub-Project will have its Semi-Annual Joint Oversight Meeting with the NDEP on February 4, 2009. The purpose of the meeting is to keep the NDEP informed and updated of disposal activities and other waste issues that interest the NDEP.

Transuranic Waste (TRU)

Completed Activities (December)

- Repackaging activities continued in the Visual Examination and Repackaging Building (VERB). As of December 31, 2008, 49 oversized boxes and 30 drums have been repackaged; 8 drums remain.
- NSO continued to work with the Carlsbad Field Office (CBFO) to validate characterization data for the repackaged waste to ensure compliance with the CBFO's repackaging requirements.
- CBFO loaded 12 TRUPACT II containers (4 trailers) for shipment to the Idaho National Laboratory (INL) Consolidation Site.
- Completed four shipments to the INL Consolidation Site.
- In December 2008, 103.37 cubic meters of low-level waste (LLW) from the VERB repackaging operations was disposed at the Area 5 Radioactive Waste Management Complex (total LLW disposed since the start of VERB operations in August 2008, 201.82 cubic meters).
- NSO participated in weekly meetings with CBFO to discuss the Integrated Project Schedule and ongoing activities to ensure completion of TRU waste shipment to the INL Consolidation Site.

Planned Activities (January)

- Repackaging operation will be completed in the VERB. Eight (8) drums remain to be repacked and any Standard Waste Box's (SWB's) that do not pass CBFO's approval will be addressed.
- NSO will continue to work with the CBFO to validate characterization data for the remaining TRU waste.
- NSO and CBFO personnel will continue to load TRUPACT-II containers for shipment.
- Continue shipments to the INL Consolidation Site.

Underground Test Area (UGTA)

Completed Activities (December)

- Frenchman Flat
 - The third long-term monitoring well network criteria meeting with the preemptive committee was held on December 11.
- Pahute Mesa
 - Preparation of the drilling criteria document was initiated.
 - The Phase II Corrective Action Investigation Plan (CAIP), Rev. 0 document was forwarded to Nevada Division of Environmental Protection (NDEP) on December 1.
- Yucca Flat
 - Potential wells to be included in the thermal investigations were identified.
 - A pre-emptive review committee meeting was held on December 9 to discuss status on the transport analysis and evaluation.
- Rainier Mesa/Shoshone Mountain
 - No activities to report.

Planned Activities (January)

- Frenchman Flat
 - Monitoring criteria will be documented.
 - Alternative transport models will continue to be evaluated.
 - The risk evaluation will be initiated.
 - Continue support to FY 2009 fracture analysis task.
 - Conduct a fourth meeting to develop criteria for the long-term monitoring well network.
- Pahute Mesa
 - Revisions to the Phase II CAIP, Rev. 0 document will be initiated upon receipt of NDEP comments.
 - The Phase I Transport document will be submitted to DOE.
 - Continue compiling the Phase II Well Drilling Criteria Report.
 - Field stake locations for remaining Phase II drill holes.
 - Complete road and pad construction at the ER-20-7 site.
 - Begin road and pad construction at the ER-EC-11 site.
- Yucca Flat
 - Field work in support of the thermal investigations will be initiated.
 - A status briefing will be provided to DOE and NDEP on the transport analysis and evaluation.
 - Continue support to the Phase I flow and transport modeling efforts.
 - The source term document will be revised for final review.
- Rainier Mesa/Shoshone Mountain
 - Continue support to flow and transport modeling.
 - Continue characterizing Rainier Mesa tunnel effluent ponds.

Soils:

Completed Activities (December)

- Received approval with comments on Corrective Action Unit (CAU) 107: Low Impact Soil Sites, Streamlined Approach for Environmental Restoration (SAFER) Plan.
- Addressed Nevada Division of Environmental Protection (NDEP) comments on the CAU 107: Low Impact Soil Sites, SAFER Plan and transmitted to NDEP.
- Submitted the Draft Corrective Action Investigation Plan (CAIP) for CAU 371: Area 18 Craters, to NDEP for review.
- Continue working on the Radionuclide Inventory Distribution Project (RIDP) Analysis and Validation Whitepaper

Planned Activities (January)

- Conduct Data Quality Objectives meeting for CAU 372: Area 20 Cabriole/Palanquin Unit Craters
- Submit RIDP and Validation Whitepaper to National Nuclear Security Administration (NNSA).

Industrial Sites

Completed Activities (December)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility
 - Continued decontamination and decommissioning field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Completed corrective action investigation field work
- CAU 134, Aboveground Storage Tanks
 - Completed closure field work
- CAU 139, Waste Disposal Sites
 - Continued closure field work
- CAU 546, Injection Well and Surface Releases
 - Submitted the Final Corrective Action Decision Document/Closure Report to Nevada Division of Environmental Protection (NDEP) for approval

Planned Activities (January)

- CAU 90, Area 2 Bitcutter Containment, CAU 91, Area 3 U-3fi Injection Well, CAU 92, Area 6 Decon Pond Facility, CAU 110, Area 3 Waste Management Disposal U-3ax/bl Crater and CAU 112, Area 23 Hazardous waste Trenches
 - Submit Final Post-Closure Report to NDEP for approval
- CAU 116, Area 25 Test Cell C Facility
 - Continue decontamination and decommissioning field work
 - Submit the Final Streamlined Approach for Environmental Restoration (SAFER) Report, Revision 1, to NDEP for approval
- CAU 139, Waste Disposal Sites
 - Continue closure field work
- CAU 546, Injection Well and Surface Releases
 - Receive NDEP approval for the Final Corrective Action Decision Document/Closure Report

Public Involvement:

Completed Activities (December)

- An Operation Clean Desert brochure mailing (contains information on Operation Clean Desert display, activity book, game CD and other displays) was distributed to approximately 200 elementary school principals (Clark County School District and Nye County School District).

- Finalized the Operation Clean Desert Lesson Plan for use by area elementary and middle school educators. Now ready for distribution and use with existing Operation Clean Desert materials.
- Finalized plans with Advanced Technologies Academy regarding Environmental Management Student Forum project, to take place January - May 2009.

Planned Activities (January)

- Participate in CHOLLA (Clasping Hands Offering Lifelong Learning Adventures) meetings. This group is comprised of area organizations and businesses promoting field trips and other learning opportunities to the Clark County School District.
- Promote Operation Clean Desert and other Environmental Management outreach materials and information to area educators at the Southern Nevada Math and Science Teachers Conference (January 24, Rancho High School, Las Vegas).
- Set-up Operation Clean Desert Display and Waste Management Timeline Poster Display, Transportation Poster Display, Transportation Drum Display, and the Groundwater Poster Display (and distribute +150 Books & CDs) at Roy Martin Middle School (Las Vegas). Environmental Management Poster Displays will remain for 2 and ½ weeks.
- Participate in Community Advisory Board for Nevada Test Site Programs meetings.

Environmental Management's Monthly Report to the CAB December 2008

Low-Level Waste (LLW)

Completed Activities (November)

- The Nevada Site Office (NSO) conducted one (1) Radioactive Waste Acceptance Program (RWAP) impromptu facility evaluation of Sandia National Laboratory.
- NSO conducted an Independent 435.1 Compliance Assessment at the Savannah River Site.
- NSO conducted a Disposal Authorization Statement (i.e. DOE's LLW Disposal Permit) Line Management Assessment of the Area 5 Radioactive Waste Management Site (RWMS) – The RWMS was in compliance with the statement's requirements.
- As of November 30, 2008, the cumulative LLW volume received for FY09 is 326,793.02 ft³ in 310 shipments. The cumulative mixed LLW volume received for FY 2009 is 4,658.89ft³ in 10 shipments. LLW Operations has worked 424,422 hours since its last lost-time accident (September 2003).

Planned Activities (December)

- From December 22 to January 3, 2008, the Area 5 RWMS will be closed
- Expect to receive over 90,000 ft³ of LLW and mixed LLW for disposal during the month.
- The LLW Sub-Project expects to conduct one (1) RWAP Audit of the Paducah Facility
- NSO and RWAP will attend the PermaFix User Conference in Nashville, TN on December 15-19, 2008.

Transuranic Waste (TRU)

Completed Activities (November)

- Repackaging activities continued in the Visual Examination and Repackaging Building (VERB). As of November 30, 2008, 46 oversized boxes and six (6) drums have been repackaged, four (4) oversized boxes and 31 drums remain.
- The Nevada Site Office continued to work with the Carlsbad Field Office (CBFO) to validate characterization data for the repackaged waste to ensure compliance with the CBFO's repackaging requirements.
- CBFO personnel set up the TRUPACT II Mobile Loading Unit, completed on-site training and assisted in loading six (6) TRUPACT II containers (two trailers) for shipment to the Idaho National Laboratory (INL) Consolidation Site.
- NSO participated in weekly meetings with CBFO to discuss the Integrated Project Schedule and ongoing activities to ensure completion of TRU waste shipment to the Idaho National Laboratory Consolidation Site.

Planned Activities (December)

- Repackaging operation will continue in the VERB. Four (4) oversized box and 31 drums remain to be repacked.
- Shipments to the Idaho National Laboratory will begin on December 2, 2008.
- NSO will continue to work with the CBFO to validate characterization data for the remaining TRU waste.
- NSO and CBFO personnel will continue to load TRUPACT II containers for shipment.

Industrial Sites:

Completed Activities (November)

- Corrective Action Unit (CAU) 116, Area 25 Test Cell C Facility

- Continued decontamination and decommissioning field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continued corrective action investigation field work
- CAU 134, Aboveground Storage Tanks
 - Began closure field work
- CAU 139, Waste Disposal Sites
 - Began closure field work
- CAU 557, Spills and Tank Sites
 - Began and completed corrective action investigation field work
- CAU 560, Septic Systems
 - Completed corrective action investigation field work

Planned Activities (December)

- CAU 116, Area 25 Test Cell C Facility
 - Continue decontamination and decommissioning field work
- CAU 117, Area 26 Pluto Disassembly Facility
 - Continue corrective action investigation field work
- CAU 134, Aboveground Storage Tanks
 - Complete closure field work
- CAU 139, Waste Disposal Sites
 - Continue closure field work
- CAU 546, Injection Well and Surface Releases
 - Submit Final Corrective Action Decision Document/Closure Report to the Nevada Division of Environmental Protection, for approval
- CAU 562, Septic Systems
 - Complete final Data Quality Objectives Meeting

Underground Test Area (UGTA)

Completed Activities (November)

- **Frenchman Flat**
 - The Monitoring Network Criteria task continued with the second pre-emptive review meeting conducted on November 17.
- **Pahute Mesa**
 - Development of the Drilling Criteria document was initiated.
 - The Phase II Corrective Action Investigation Plan (CAIP), Rev. 0, was submitted to DOE on November 20, 2008.
 - Completed comment resolution for the Phase II CAIP Addendum document.
- **Yucca Flat**
 - Procurement of supplies and equipment was initiated for the thermal investigations.
- **Rainier Mesa/Shoshone Mountain**
 - The sampling report for ER-12-3 and ER-12-4 was completed.

Planned Activities (December)

- **Frenchman Flat**
 - Continue FY 2009 fracture analysis task.
 - Conduct a third meeting to develop criteria for the long-term monitoring well network.
 - Alternative transport models will continue to be evaluated.
- **Pahute Mesa**
 - Continue compiling the Phase II Well Drilling Criteria Report.
 - Field stake locations for remaining Phase II drill holes.

- Complete road and pad construction at the ER-20-7 site
- Begin road and pad construction at the ER-EC-11 site
- The Phase II CAIP, Rev. 1 document will be submitted to DOE.
- **Yucca Flat**
 - The thermal investigations will be initiated.
 - A pre-emptive review committee meeting will be held on the transport analysis and evaluation.
 - The source term document will continue in revision.
 - Continue support to the Phase I flow and transport modeling efforts.
- **Rainier Mesa/Shoshone Mountain**
 - Continue support to flow and transport modeling.
 - Continue characterizing Rainier Mesa tunnel effluent ponds.
 - Continue compiling information about seeps of water in Rainier Mesa tunnels.

Soils:

Completed Activities (November)

- Received approval with comments on Corrective Action Unit (CAU) 107 Streamlined Approach For Environmental Restoration (SAFER) Plan.
- Addressed Nevada Division of Environmental Protection (NDEP) comments on the CAU 107 SAFER Plan and transmitted to NDEP.
- Completed the Corrective Action Alternative Meeting for CAU 370 Corrective Action Decision Document.
- Completed the Data Quality Objectives (DQO) meeting for CAU 371.
- Continue to Develop the DQOs for CAU 372
- Continue working on the Radionuclide Inventory and Distribution Program (RIDP) Analysis and Validation Whitepaper

Planned Activities (December)

- Conduct DQO meeting for CAU 372
- Submit draft CAIP for CAU 371.
- Submit RIDP Analysis and Validation whitepaper to NNSA.

Public Involvement:

Completed Activities (November)

- Participated in CHOLLA (Clasping Hands Offering Lifelong Learning Adventures) meeting. This group is comprised of area organizations and businesses promoting field trips and other learning opportunities to the Clark County School District.
- Provided Waste Management Timeline Poster Display, Transportation Poster Display, Transportation Drum Display, and the Groundwater Poster Display at the Nevada Site Office and the Nevada Test Site for two Open House events sponsored by National Security Technologies.
- Set up Waste Management Timeline Poster Display, Transportation Poster Display, Transportation Drum Display, and the Groundwater Poster Display at Howard Hughes School of Engineering at UNLV for approximate one month duration.
- Site visit to Roy Martin Middle School for Operation Clean Desert display and Environmental Management poster displays, in anticipation of January 27, 2009 event.

Planned Activities (December)

- An Operation Clean Desert brochure mailing (contains information on Operation Clean Desert display, activity book, game CD and other displays) to approximately 200 Las Vegas

metropolitan area elementary school principals (Clark County School District and Nye County School District).