



**DRAFT AGENDA
FULL BOARD MEETING
Stoller-Navarro, 7710 W. Cheyenne, Conference Room 130
May 9, 2007 - 5:00 p.m.**

- | | | |
|------|--|--|
| I. | Chair's Opening Remarks | David Hermann |
| | <ul style="list-style-type: none">• Agenda Approval | |
| II. | Public Comment | |
| III. | NDEP Activities/Overview | Tim Murphy, NDEP |
| IV. | Committee Updates | |
| | <ul style="list-style-type: none">• Transportation/Waste• EMPIRE• UGTA | Ted Oom Jan Spinato Engelbrecht von Tiesenhausen |
| V. | Other CAB Business | |
| | <ul style="list-style-type: none">• Approval of April 11, 2007 Minutes• DOE Monthly Report | All |
| VI. | May State of Nevada Notification | Facilitator |
| | <ul style="list-style-type: none">• DOE will not be submitting any final CADDs, CADD/Closure Reports, or SAFER Work Plans, proposing closure-in-place to the NDEP, before 13, 2007 | |
| VII. | Meeting Wrap-Up / Assessment | All |

Notification for
Closed in Place Corrective Actions
May 9, 2007
Las Vegas, Nevada

The Department of Energy will not be submitting any final Corrective Action Decision Documents (CADDs), CADD/Closure Reports, or Streamlined Approach for Environmental Restoration (SAFER) Work Plans, proposing closure-in-place to the Nevada Division of Environmental Protection (NDEP), before June 13, 2007.



Meeting: Full Board Meeting

Date: April 11, 2007

CAB Members Present: David Hermann, Chair; Walter Wegst, Ph.D., Vice Chair; Paul Adras, Bill Aldrich, Bob Gatliff, Vernell McNeal, Genne Nelson, Ted Oom, Jack Ramsey, Ph.D., Stacy Standley, James Weeks

CAB Members Not Present: Steven Hopkins, Robert Johnson, Warren Pawliuk, Charles Phillips, David Rosin, M.D., Jan Spinato, Harold Sullivan, Engelbrecht von Tiesenhausen,

Liaisons Present: Stephen Mellington, NNSA/NSO; David Swanson, Nye Co. Nuclear Waste Repository Office

Liaisons Not Present: David Ek, U.S. National Park Service; Tiffany Lantow, Defense Reduction Threat Agency (DTRA); Tim Murphy, Nevada Division of Environmental Protection (NDEP)

U.S. Department of Energy (DOE): Kelly Snyder, DDFO, Tom Enyeart, NNSA/NSO

Facilitator: Carla Sanda, Consensus by Design

Administrative Support Staff: Kay Planamento, Navarro Research and Engineering

Agenda

- Approval of Agenda
- Public Comment
- "Radiation 101" Brief/Demo
- Committee Reports
- Other Business
 - Approval of January 10, 2007 Minutes
 - SSAB Meeting Recap
 - May 9, 2007 Agenda Discussion
 - DOE News
 - FY 2008 EM Budget
- Notification for Closed in Place Corrective Actions
 - CAU 542 – Disposal Holes (CADD/CR)

Approval of Agenda

Genne Nelson moved, seconded by Ted Oom, to approve the Agenda with no changes. Motion passed unanimously.

Public Comment

Stephen Mellington stated that some NTS board members who attended the Site Specific Advisory Board (SSAB) Chairs meeting were concerned about some comments made by Assistant Secretary Rispoli that raised questions as to whether or not the DOE is spending enough at the NTS looking for groundwater contamination.

Mr. Mellington explained that he anticipated funding for Environmental Management activities at the Nevada Site Office will not decrease but will stay level.

The CAB Underground Test Area (UGTA) Committee was invited to attend the Underground Test Area Technical Working Group meeting and give their monitoring well selection presentation.

Kelly Snyder will inform the CAB of the date for final completion of the Transport Model.

Walter Wegst expressed another concern voiced at the SSAB meeting about using mud to drill bore holes because the mud alters the properties of the land.

Kelly Snyder will contact Bill Wilborn for a clarification regarding drilling methods and distribute the information to the CAB.

“Radiation101” Brief/Demo

Mr. Tom Enyeart, National Nuclear Security Administration Nevada Site Office, gave a presentation entitled, “Fundamental Principles of Radiation.” The presentation began with an explanation of the atom and ended with Radiation Dose Limits and an explanation of radiation protection.

Transportation/Waste Committee

Ted Oom reminded everyone that the next Transportation/Waste meeting is scheduled for May 9, 2007, at 4 p.m. at Stoller-Navarro Conference Room 130. The agenda consists of a presentation from Dr. Helen Neill of UNLV.

Environmental Management Public Information Review Effort (EMPIRE) Committee

Stacey Standley advised the CAB that the committee has reviewed and approved a letter of recommendation composed by Jan Spinato, Chair of the committee. The letter was presented to the full board for approval. Stacy Standley moved, seconded by Walt Wegst to approve the letter with the amendment to have the letter signed by Dave Hermann as Chair of the CAB.

The next meeting of the EMPIRE Committee is scheduled for June 13th from 3:30 – 5 p.m. in conference room 130.

Underground Test Area (UGTA) Committee

Genne Nelson reported that a draft of comprehensive well recommendation report should be ready in May. Once the report is ready for review a meeting will be scheduled and committee members notified.

Other CAB Business

- **Approval of January 10, 2007 Minutes**
Walter Wegst moved, seconded by Stacy Standley to approve the minutes as written. Motion passed unanimously.
- **SSAB Meeting Recap**
David Hermann and Walter Wegst briefly reviewed the SSAB Semi-Annual Chairs Meeting that was held in Las Vegas March 28-30, 2007. One idea that Walter would like more input on is student participation.

At a future CAB meeting, Kelly Snyder will give a presentation on Operation Clean Desert project and book which has been written targeting children to educate them about the DOE EM Project.

David Hermann reviewed the letter drafted at the SSAB meeting which will be distributed to all board for their review/comment/approval. Each board that approves the letter sends an electronic signature to add to the list of SSAB Chairs signatures and mailed to Assistant Secretary Rispoli. Stacy Standley moved, seconded by Genne Nelson, to approve the

letter composed at the March 30, 2007, SSAB Chairs meeting as written. Motion passed unanimously.

The CAB members expressed a desire to have someone from the Waste Isolation Pilot Program (WIPP) come to Las Vegas and give a presentation. David Swanson encouraged anyone who has the opportunity to go on a WIPP tour to take advantage of it.

- **May 9, 2007 Agenda Discussion – NDEP Portion**

The Transportation/Waste Committee requested the NDEP to discuss its criteria for regulation including laws that govern the balance of power between the state and the Federal Government. Also how the state prioritizes milestones to DOE and how reduced funding can affect this process.

- **DOE NEWS**

Kelly reviewed the changes that will occur in staffing beginning in the summer. She also stated that Cindy Lockwood will be the Alternate DDFO and attend meetings when Kelly is unavailable.

April Notification of Close in Place Corrective Action Units

CAB members were invited to read and comment on the upcoming Closed in Place Corrective Action Documents for CAU 542 – Disposal Holes (CADD/CR), expected to be available for review and comment at the CAB office on April 30, 2007

Upcoming Meetings

- Full Board Meeting, May 9, 5 p.m.
- Transportation/Waste, May 9, 4 - 5 p.m.
- Empire Committee Meeting, June 13, 3:30 – 5 p.m.

Action Items

- Kelly Snyder will inform the CAB of the date for final completion of the Transport Model.
- Kelly Snyder will contact Bill Wilborn for a clarification regarding drilling methods and distribute the information to the CAB.
- At a future CAB meeting, Kelly Snyder will give a presentation on Operation Clean Desert project and book which has been written targeting children to educate them about the DOE EM Project.



Department of Energy
National Nuclear Security Administration
Nevada Site Office
P.O. Box 98518
Las Vegas, NV 89193-8518



APR 18 2007

David Hermann, Chairperson
Community Advisory Board
for Nevada Test Site Programs
2771 Cheyenne Rd
North Las Vegas, NV

RESPONSE TO THE COMMUNITY ADVISORY BOARD (CAB) FOR NEVADA TEST SITE (NTS) PROGRAMS FISCAL YEAR (FY) 2009 BUDGET PRIORITIZATION

I would like to extend my gratitude to the Budget Committee for discussing and evaluating the Environmental Management (EM) projects for the FY 2009 budget prioritization. The CAB's budget prioritization is very important to the Nevada Site Office (NSO) as well as the entire EM program. We realize your effort took many hours, and it is a key component in developing our budget recommendation to Headquarters.

After receiving the CAB's letter, dated March 14, 2007, I met with EM staff and conducted a similar ranking system.

| Sub-Projects | CAB Ranking | NSO Ranking |
|-------------------------------------|-------------|-------------|
| Underground Test Area | 1 | 2 |
| Industrial Sites | 2 | 3 |
| Low-Level and Mixed Low-Level Waste | 3 | 1 |
| Soils | 4 | 4 |

As you can see by the illustration, the CAB's top ranking sub-project differs from NSO's top ranking sub-project. Waste disposal activities at the NTS are an essential operation in reducing the potential risk from radioactive contamination not only in regards to local cleanup activities but for Department of Energy (DOE) Complex-wide activities. As a result, it is in DOE's overall best interest to prioritize low-level and mixed low-level waste as the top priority. However, that does not imply that the other EM sub-projects at the NTS are not given the attention and budget they require.

Groundwater contamination and developing a monitoring network are essential. The EM Program plans to drill 10 wells from fiscal year 2009 – 2012 in order to support the Underground Test Area sub-project. We anticipate there will be appropriate funding for these activities. If for some reason this were to change, the NSO would actively pursue securing increased funding options.

APR 18 2007

Again, thank you for the time and effort the CAB devoted to the FY 2009 budget prioritization process. I value the CAB's input and look forward to continuing this annual task.

If you have questions regarding EM's ranking please contact Kelly Snyder, of my staff, at (702) 295-2836.

Stephen A. Mellington

Stephen A. Mellington
Assistant Management
for Environmental Management

PSG:3006.KS

cc via e-mail:

Melissa Nielson, DOE/HQ (EM-13) FORS
Kay Planamento, NREI, Las Vegas, NV
K. K. Snyder, PSG, NNSA/NSO,
Las Vegas, NV

FOR A COPY THIS DOCUMENT

- Go to: <http://em.doe.gov>
- Click on the EM Home Page
- Look on the right hand side of the page under 4/07 - Draft



**U.S. Department of Energy
Office of Environmental Management
(DOE-EM)**

Engineering & Technology Roadmap

*Reducing Technical Risk and
Uncertainty in the EM Program*

**April 2007
Draft**



EM Environmental Management

safety ♦ performance ♦ cleanup ♦ closure

www.em.doe.gov

Bureau of Federal Facilities

Contamination at Federal Facilities

The Nuclear Weapons Complex and Nuclear Testing

Environmental Legacy of the Cold War – Creation of EM

DOE Regulatory Framework – CERCLA, RCRA and FFCA

Need for Bureau of Federal Facilities

Program Activities and Accomplishments

Cold War Legacy at NTS

- Atmospheric Nuclear Testing – Atmospheric nuclear testing at NTS caused radioactive fallout to occur across the country
- Underground Nuclear Testing – About 900 underground tests at the NTS contaminated approximately 300 square miles of groundwater beneath the site
- According to DOE there have been 235 nuclear tests conducted within and/or near the groundwater leaving an estimated 130 million curies of radioactivity in the groundwater beneath the site

1989 DOE Established EM – Environmental Management Program

- In 1989 DOE ordered complex-wide baseline surveys to identify and prioritize existing environmental problems
- DOE agrees to work with EPA and the States to develop federal facility compliance agreements to guide cleanup under CERCLA and RCRA

DOE Established EM

- DOE Environmental Management (EM) program assigned cleanup, compliance, & waste management responsibilities previously “conducted” by DOE defense program – the 1990 cleanup budget was set at \$2.5 billion
- The FY 2007 budget is about \$6 Billion Dollars
- The Nevada Site Office FY 2007 budget is about \$90 Million

DOE Reaches Agreements with State Regulators

- The Governors recommended DOE focus on participatory & regulatory activities involving EPA and the States -- They called for implementation of CERCLA and RCRA authorities at DOE facilities
- By 1991 -- DOE had signed 82 agreements with the States i.e.. consent orders, cleanup agreements, federal facility compliance agreements. However the federal sovereign immunity defense still existed
- In November 1992 the Federal Facilities Compliance Act (FFCA) was passed which included a waiver of sovereign immunity for RCRA

Federal Facilities Compliance Act

- The Act gave DOE a 3 year grace period from assessment of penalties & required DOE to prepare plans for state approval -- The Act required DOE to comply with the LDR requirements for mixed wastes
- 1992 -- 22 states meet to discuss implementation of the FFCAct
- Federal/State cleanup agreements in conjunction with FFCAct become driving force behind EM's multi-billion dollar cleanup program

Need for Bureau of Federal Facilities

- Federal Agencies have decades of cleanup to accomplish
- In the past they have conducted remediation activities under national security -- making it difficult to access information for environmental remediation programs
- Prior to 1992, Federal agencies were also able to claim sovereign immunity thereby eliminating threat of fines
- Federal commitments to cleanup schedules remain constrained by the federal budget process and provision of the Anti Deficiency Act

Bureau of Federal Facilities - BFF

- In 1989 – NDEP entered into negotiations with DOE and DoD to fund state oversight of federal facilities remediation in the state of Nevada
- Having staff dedicated to federal facilities cleanups creates continuity of cleanup actions and decisions
- Funding considerations are addressed through single program focus on federal cost recovery basis
- These conditions led to the creation of the Bureau of Federal Facilities (BFF) 1990

BFF - Roles and Responsibilities

- The Bureau conducts “regulatory oversight” of existing Federal Facilities in Nevada.
- DOE Sites -- Nevada Test Site, Tonopah Test Range, Central Nevada Test Area, and the Shoal Site

Application of Regulatory Authorities at Federal Facilities

- At DOE facilities: the Bureau implements existing state regulations for storage, treatment & disposal of solid and hazardous wastes, underground storage tanks, water pollution control, and corrective actions
- However -- unlike other Bureaus, Federal Facilities does not have responsibility for the development of media specific rules and regulations
- Federal Facilities implements authorities of other Bureaus. Hence, consistency of regulatory decisions is critical to maintain credibility with the federal agencies

Federal Facility Funding Agreements

- The Agreement in Principle (AIP) supports oversight of DOE's ongoing programs activities at the NTS such as environmental monitoring & waste management programs
- The original intent of the AIP was to support "non regulatory" oversight and environmental monitoring. DOE's intent was to gain public confidence through enhanced state oversight
- NDEP held in abeyance a consent order and included regulatory activities in the tasks to be conducted under the AIP. (*Fees normally assessed for these regulatory activities are waived as long as these activities are fully funded under the AIP*)

Disposal of Low Level Waste

- The NTS Area 3 and Area 5 LLW disposal sites are now receiving upwards of 3 million cubic feet of LLW each year from 30 plus offsite generators
- Under the Atomic Energy Act, DOE is self-regulating for management & disposal of low-level defense waste
- To establish “state oversight” NDEP negotiated an amendment to the AIP granting non-regulatory oversight by state employees of DOE’s LLW disposal operations at NTS

Disposal of Low Level Waste

- Bureau staff conduct evaluations of LLW disposal at the NTS and participate in waste audits at out of state generator sites
- Out of state audits are used to validate compliance with NTS waste acceptance criteria
- Under the AIP DOE has formally agreed to address state concerns regarding DOE self-regulated LLW disposal operations at NTS

Disposal of “Mixed” Waste at NTS

- Upon becoming regulated by NDEP in 1987, DOE was entitled to “Interim Status” for existing MLLW disposal facilities at NTS
- To continue disposal operations, DOE has maintained compliance with the Interim Status regulations and submitted an Application for existing Mixed Waste disposal facilities.
- Interim Status Permit was issued in December 2005 and Mixed Waste from offsite is being disposed. Permit expires in December 2010.

FFACO Cleanup Agreement (NDEP & DOE & DoD)

- Although previously evaluated under CERCLA, the NTS was the only major DOE facility not declared an NPL site -- And while required to initiate cleanup, there was no compliance schedule
- In 1996, and after 24 months of negotiations, NDEP, DOE and DoD signed the Federal Facilities Agreement and Consent Order (FFACO)
- The FFACO is the “regulatory framework” defining state requirements for remediation and oversight of DOE’s historic contamination at NTS, the Tonopah Test Range, Central Nevada Test Site, and Project Shoal

FFACO Agreement Corrective Action Strategy

- Identify Corrective Action Sites, Corrective Action Units
- Implement Corrective Action Investigations including:
 - Corrective Action Investigation Plan (CAIP)
 - Corrective Action Decision Document (CADD)
 - Corrective Action Plan (CAP)
 - Closure Plan (CR)

FFACO Risk Based Corrective Action (RBCA)

- Final Action Levels (FAL) are based on Nevada Administrative Code requirements and processes stipulated in Chapter 445
- FAL Intended for use as remediation standards
- Requires evaluation of site based on risk it poses to public health and environment
- Risk goals are 10^{-6} for chemicals and 25mrem/year dose for radioactive constituents

FFACO Agreement

- Surface soils & groundwater contamination addressed under the FFACO were caused by nuclear testing, “safety” tests, cratering events, nuclear rocket development, and waste disposal
- FFACO Programmatic objectives call for remediation of industrial sites, surface soils, and remediation and/or containment of groundwater contamination beneath the NTS and off site locations
- Costs of cleanup at NTS is about \$50 to \$60 million annually

FFACO -- Industrial Sites

- Industrial sites are the by-products of nuclear testing and R&D programs. Sites contain thousands of areas contaminated with radioactivity, solid & hazardous wastes
- Contaminated sites include muck piles, ponds, sumps, injection wells, inactive tanks, leach fields, and waste sites
- Over the past 10 years NDEP has overseen remediation of approximately 1000 sites -- Presently there over 300 sites undergoing investigation
- Remediation "outcomes" include clean closure to closure in place with land use controls varying from unrestricted use to in perpetuity institutional control

FFACO - Groundwater Contamination

- Over 235 underground nuclear tests were conducted within or near the groundwater beneath the NTS -- NDEP has estimated that over 300 square miles of groundwater is contaminated
- Groundwater investigation strategy includes drilling, sampling, and modeling to predict groundwater contaminant boundaries over a 1000 year period – UGTA life cycle project costs alone are estimated to exceed \$2.3 Billion!
- Program “outcomes” based on presumption that contamination does not migrate -- Also, long-term groundwater monitoring network and groundwater compliance boundaries will be implemented

FFACO - Contaminated Soils

- Nuclear “Safety Tests” were conducted to determine how safe nuclear weapons were when exploded on the surface using conventional munitions
- Tests were conducted to determine if a nuclear chain reaction could be triggered -- no reaction occurred -- i.e., they were determined safe!
- Safety Tests caused significant surface contamination of more than 2,500 acres

FFACO - Contaminated Soils – Slide 2

- Currently there are no national standards for cleanup of soils with residual radionuclide contamination
- Hence, DOE and DoD have tentatively agreed to soil cleanup level of 1,000 picocuries per gram -- this translates to 25-mrem/yr-dose estimate for specified military land use at individual soil site
- NDEP has requested a determination from the Secretary of the Air Force as to Nellis's authority to establish this remediation standard -- If accepted the Air Force may be accepting liability for this contamination

FFACO - Contaminated Soils (Cratering Events)

- DOE conducted nine cratering events as part of the "Plowshare" program. The program proposed use of nuclear devices to excavate large volumes of earth for canal and harbor development and fossil fuel R&D programs
- Contamination from cratering events, above ground testing, and "safety shots" left an estimated 27,000 acres (42 square miles) of surface soils contaminated with long-lived radionuclides

FFACO - Contaminated Soils (Cratering Events) – Slide 2

- Soil contamination is in excess of 40 picocuries per gram. (A concentration DOE established as being necessary to set control or warning signage)
- A cleanup strategy for NTS proper has not been determined -- primary isotopes of concern are plutonium, uranium, and americium with lesser amounts of cesium, strontium, and europium

Concluding Remarks

- Realistic land-use determinations must be made concerning future uses of permanently contaminated sites on federal facilities in Nevada
- Areas of contamination must be defined and potential solutions evaluated prior to implementing long-term land use controls
- Establishing long-term land use decisions (i.e., “How Clean Is Clean For What Use”) is viewed as a shared responsibility between the State of Nevada and the Federal government

Environmental Management's Monthly Report to the CAB

May 2007

Low-Level Waste (LLW):

Completed Activities (April)

- Conducted two (2) generator site visits. These visits were to discuss possible new waste streams for disposal from Aberdeen Proving Ground and Lovelace.
- Received 307,866 cubic feet of LLW in 416 shipments for disposal at the Nevada Test Site (NTS), as of April 26, 2007.
- LLW Operations has worked 310,947 hours since last lost-time accident (September 2003).
- Hosted the Spring Generator Workshop from April 23-26, 2007. All NTS generators participated. Discussed stakeholders issues (avoiding the Las Vegas metropolitan areas, route use), Radioactive Waste Acceptance Program (RWAP) issues (compliance with NTS Waste Acceptance Criteria), and possible new waste streams (LLW, Mixed LLW).
- Hosted the annual Low-Level Waste Federal Review Group (LFRG) meeting on April 23-27, 2007. The Nevada Site Office briefed the Review Group on its updated Performance Assessment/Composite Analysis Annual Summary. Also discussed review team development for upcoming LFRG reviews of the U.S. Department of Energy Complex'.

Expectations (May)

- Conduct four (4) unannounced generator facility evaluations.
- Expect to receive 100,000 cubic feet of LLW for disposal in May.

Mixed Low-Level Waste (MLLW):

Completed Activities (March)

- Received 87,273 cubic feet in 68 shipments for disposal at the NTS, as of April 26, 2007.
- Hosted the MLLW Summit III meeting on Wednesday, April 25, 2007. All NTS generator sites participated. Discussed new disposal technologies to possibly allow increased use of available NTS disposal capacity.

Expectations (May)

- Planned facility evaluations are included in the LLW portion of this report
- Expect to receive 10,000 cubic feet of MLLW for disposal in May

Transuranic (TRU) Waste

Completed Activities (April):

- Submitted Final 2007 Site Treatment Plan to Nevada Division of Environmental Protection (NDEP)
- Met with NDEP at the Area 5 Radioactive Waste Management Complex (RWMC) on April 17, 2007. Observed the box venting demonstration, and inspected the Mutual Consent Agreement drum inventory and remaining TRU drums.

Expectations (May):

- Venting of the Over-Size Boxes in the TRU Pad Cover Building.
- Nevada Site Office to conduct an assessment of National Security Technologies' Safety Management Programs at the Area 5 RWMC.

Industrial Sites

Completed Activities (April):

- Continued Decontamination and Decommissioning (D&D) fieldwork for Corrective Action Unit (CAU) 118: Area 27 Super Kukla Facility.
- Continued corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks.
- Continued investigation fieldwork for CAU 190: Contaminated Waste Sites.
- Continued corrective action fieldwork for CAU 300: Surface Release Areas.
- Continued corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and Burn Area (Tonopah Test Range).
- Completed corrective action fieldwork for CAU 537: Waste Sites.
- Continued corrective action fieldwork for CAU 543: Liquid Disposal Units.
- Continued investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars.
- Continued investigation fieldwork for CAU 565: Stored Samples.
- Began D&D fieldwork for CAU 116: Area 25 Test Cell C Facility.
- Submitted to and received approval from NDEP on the Closure Report for CAU 516: Septic Systems and Discharge Points.
- Received NDEP approval on the Streamlined Approach for Environmental Restoration Plan for CAU 124: Storage Tanks.
- Submitted to NDEP for approval the Corrective Action Decision Document Closure Report for CAU 542: Disposal Holes.
- Received NDEP approval on the Post-Closure Inspection Letter Report for CAUs 5, 140, 143, 165, 204, 254, 261, 262, 271, 322, 335, 339, 342, 357, 529, 552, and 554.
- Received NDEP approval on the Corrective Action Decision Document for CAU 166: Storage Yards and Contaminated Materials.

Expectations (May):

- Continue D&D fieldwork for CAU 116: Area 25 Test Cell C Facility.
- Continue D&D fieldwork for CAU 118: Area 27 Super Kukla Facility.
- Continue corrective action fieldwork for CAU 127: Areas 25 and 26 Storage Tanks.
- Continue corrective action fieldwork for CAU 543: Liquid Disposal Units.
- Continue investigation fieldwork for CAU 553: Areas 19, 20, Mud Pits and Cellars.
- Begin corrective action fieldwork for CAU 224: Decon Pad and Septic Systems.
- Complete corrective action fieldwork for CAU 300: Surface Release Areas.
- Complete corrective action fieldwork for CAU 484: Surface Debris, Waste Sites, and

Burn Area (Tonopah Test Range).

- Continue investigation fieldwork for CAU 565: Stored Samples.
- Receive NDEP approval on the Corrective Action Decision Document/Closure Report for CAU 542: Disposal Holes.
- Submit to NDEP for approval the Corrective Action Plan Revision 1 for CAU 543: Liquid Disposal Units.
- Submit to NDEP for approval the Closure Letter Report for CAU 496: Buried Rocket Site – Antelope Lake (Tonopah Test Range).

Underground Test Area (UGTA)

Completed Activities (April)

Frenchman Flat

- Continued Phase II Transport Modeling Analysis and Evaluation.
- Continued Phase II Transport Model draft report development.

Pahute Mesa

- Continued Phase I Transport Modeling Analysis and Evaluation.
- Continued Phase I Transport Model draft report development.

Yucca Flat

- Completed review of the draft report for Phase I Transport Parameter Data Analysis and continued Phase I Transport Parameter Draft Report DOE Review.
- Continued Phase I Flow Model Analysis and Evaluation.

Rainier Mesa/Shoshone Mountain

- Continued Phase I Transport Parameter Analysis and Evaluation.
- Continued Phase I Hydrology Analysis and Evaluation.
- Initiate planning for groundwater sampling at well ER-12-1.

Expectations (May)

Frenchman Flat

- Continue Phase II Transport Modeling Analysis and Evaluation.
- Continue Phase II Transport Model draft report development.

Pahute Mesa

- Continue Phase I Transport Modeling Analysis and Evaluation.
- Continue Phase I Transport Model draft report development.

Yucca Flat

- Continue Phase I Flow Model Analysis and Evaluation.
- Complete final Phase I Transport Parameter report.
- Continue Phase I Transport Parameter Draft Report DOE Review.

Rainier Mesa/Shoshone Mountain

- Continue Phase I Transport Parameter Analysis and Evaluation.

- Continue Phase I Hydrology Analysis and Evaluation.
- Complete pumping and sampling of the ER-12-1 well.

Soils

Completed Activities (April)

- Continued work on the grouping/strategy document.
- Continued to input data such as maps, drawings, Federal Facility Agreement and Consent Order (FFACO) documents, and soils characterization information into the Soils Project Database for use by project personnel.
- Compiled data to support Nuclear Facility re-categorization.
- Continued evaluation of the quality of existing data to aid in the grouping of soils sites and continued review and analysis of Radionuclide Inventory and Distribution Project data.

Expectations (May)

- Complete the finalization of the grouping/strategy document.
- Continue to input data such as maps, drawings, FFACO documents, and soils characterization information into the Soils Project Database for use by project personnel.
- Complete the development of the preliminary revised soils sites Corrective Action Site (CAS) groupings.

Public Involvement:

Completed Activities (April)

- Coordinated with Speaker's Bureau to arrange speaking engagements at Lynch Elementary, Sewell Elementary, and Hayden Elementary for the Operation Clean Desert (OCD) program.
- Delivered 50 OCD activity books, 5 CDs of the OCD game, 50 boxes of soy crayons, 50 recycled currency pencils, and 50 recycled denim rulers to the Andre Agassi Boys & Girls Club of Las Vegas on April 11.
- Setup the OCD display at the Andre Agassi Boys & Girls Club of Las Vegas from April 11 – April 18.
- Delivered 30 OCD activity books, 20 CDs of the OCD game, 30 boxes of soy crayons, 30 recycled currency pencils, and 30 recycled denim rulers to the Stoller-Navarro Joint Venture (SNJV) Cheyenne office for "Take Your Kids to Work Day."
- Setup OCD display at the SNJV Cheyenne office from April 20 – April 30 for "Take Your Kids to Work Day."

Expectations (May)

- Meeting scheduled at Lynch Elementary on May 10 to discuss OCD program.
- Will deliver 300 OCD activity books, 10 CDs of the OCD game, and will setup the OCD display at Lynch Elementary from May 10 – May 18.
- Will deliver 400 OCD activity books, 3 CDs of the OCD game, and will setup the OCD display at Hafen Elementary in Pahrump from May 21 – May 31.