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

MAY 16 2012

Tim Murphy, Chief
Bureau of Federal Facilities
Division of Environmental Protection
2030 East Flamingo Road, Suite 230
Las Vegas, NV 89119-0818

SUBMITTAL OF THE FINAL POST-CLOSURE INSPECTION LETTER REPORT FOR
CORRECTIVE ACTION UNITS (CAUs) ON THE NEVADA NATIONAL SECURITY SITE
(NNSS), MAY 2012

This letter serves as the post-closure inspection letter report for CAUs on the NNSS for
Calendar Year 2011.

INDUSTRIAL SITES

The following use restricted sites were closed under the Industrial Sites Activity.

CAU 5, Landfills

Eight Corrective Action Sites (CASs) in CAU 5 require inspections. CAS 05-15-01, CAS 06-15-02, and CAS 06-15-03 were inspected on November 8, 2011. CAS 05-16-01 and CAS 06-08-01 were inspected on November 14, 2011. CAS 12-15-01 and CAS 20-15-01 were inspected on October 18, 2011. CAS 23-15-03 was inspected on December 12, 2011.

During the previous inspections performed for Calendar Year 2010, T-posts were loose and several signs were down or missing at CAS 05-15-01, CAS 05-16-01, CAS 12-15-01, and CAS 23-15-03. Minor fence repair was required at CAS 12-15-01. Sign and fence maintenance was completed in March and April of 2011. During the 2011 inspections, one T-post was damaged at CAS 23-15-03, and several signs were down at CAS 06-08-01, CAS 06-15-02, CAS 06-15-03, and CAS 23-15-03. Sign and T-post maintenance will be completed in 2012. No other issues were identified.

The CASs in CAU 5 require annual inspections for the first 5 years after closure and once every 5 years thereafter for a total of 30 years. The sites have been inspected annually for the past 5 years and will not be inspected again until 2016.

CAU 113, Area 25 R-MAD Facility

One CAS in CAU 113 requires inspection. CAS 25-41-01 was inspected on December 19, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 115, Area 25 Test Cell A Facility

One CAS in CAU 115 requires inspection. CAS 25-41-04 was inspected on December 20, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 116, Area 25 Test Cell C Facility

One CAS in CAU 116 requires inspection. CAS 25-41-05 was inspected on December 20, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 118, Area 27 Super Kukla Facility

One CAS in CAU 118 requires inspection. CAS 27-41-01 was inspected on December 20, 2011. During the previous inspection performed for Calendar Year 2010, minor fence repair was required. Fence maintenance was completed in March 2011. During the 2011 inspection, no issues were identified, and no maintenance or repairs were required.

CAU 127, Areas 25 and 26 Storage Tanks

Two CASs in CAU 127 require inspections. CAS 25-01-07 and CAS 25-02-02 were inspected on December 19, 2011. One sign was down and one sign was loose at CAS 25-01-07. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 137, Waste Disposal Sites

Four CASs in CAU 137 require inspections. CAS 01-08-01 and CAS 07-23-02 were inspected on November 8, 2011. CAS 12-08-01 and CAS 12-23-07 were inspected on October 18, 2011. During the previous inspections performed for Calendar Year 2010, several faded signs needed to be replaced at CAS 07-23-02, CAS 12-08-01, and CAS 12-23-07. Sign maintenance was completed in April and May 2011. During the 2011 inspections, three faded signs needed to be replaced and one sign was loose at CAS 01-08-01. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 139, Waste Disposal Sites

Two CASs in CAU 139 require inspections. CAS 06-19-03 was inspected on November 8, 2011. CAS 09-23-01 was inspected on November 1, 2011. During the previous inspections performed for Calendar Year 2010, minor fence repair was required at CAS 09-23-01. Fence maintenance was completed in March 2011. During the 2011 inspections, minor fence repair was required at CAS 09-23-01. Fence maintenance will be completed in 2012. No other issues were identified.

CAU 140, Waste Dumps, Burn Pits, and Storage Area

Two CASs in CAU 140 require inspections. CAS 05-23-01 was inspected on November 8, 2011. CAS 23-17-01 was inspected on December 12, 2011. During the previous inspections performed for Calendar Year 2010, one sign was loose at CAS 05-23-01, and one sign was down at CAS 23-17-01. Minor fence repair was required at CAS 05-23-01. Sign and fence maintenance was completed in March 2011. During the 2011 inspections, no issues were identified, and no maintenance or repairs were required.

CAU 143, Area 25 Contaminated Waste Dumps

Two CASs in CAU 143 require inspections. CAS 25-23-03 and CAS 25-23-09 were inspected on December 19, 2011. During the previous inspections performed for Calendar Year 2010, one sign was down at CAS 25-23-09. Sign maintenance was completed in April 2011. During the 2011

inspections, four signs were down, one sign was loose, and two missing signs and one damaged sign needed to be replaced at CAS 25-23-09. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 145, Wells and Storage Holes

One CAS in CAU 145 requires inspection. CAS 03-25-01 was inspected on November 8, 2011. One sign was down. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 151, Septic Systems and Discharge Area

One CAS in CAU 151 requires inspection. CAS 12-03-01 (Lagoon A) was inspected on October 18, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 165, Area 25 and 26 Dry Well and Washdown Areas

One CAS in CAU 165 requires inspection. CAS 25-20-01 was inspected on December 19, 2011. One sign was loose. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 168, Area 25 and 26 Contaminated Materials and Waste Dumps

Three CASs in CAU 168 require inspections. CAS 25-16-03, CAS 25-23-02, and CAS 25-99-16 were inspected on December 19, 2011. One sign was down at CAS 25-23-02. Sign maintenance will be completed in 2012. No other issues were identified.

These three CASs in CAU 168 require annual inspections for the first 5 years after closure and once every 5 years thereafter for a total of 30 years. The sites have been inspected annually for the past 5 years and will not be inspected again until 2016.

CAU 204, Storage Bunkers

Five CASs in CAU 204 require inspections. CAS 01-34-01, CAS 03-34-01, and CAS 05-33-01 were inspected on November 8, 2011. CAS 02-34-01 was inspected on October 24, 2011. CAS 05-18-02 was inspected on November 14, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 254, Area 25 R-MAD Decontamination Facility

One CAS in CAU 254 requires inspection. CAS 25-23-06 was inspected on December 19, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 261, Area 25 Test Cell A Leachfield System

One CAS in CAU 261 requires inspection. CAS 25-05-01 was inspected on December 20, 2011. Two signs were loose. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 262, Area 25 Septic Systems and UDP

Three CASs in CAU 262 require inspections. CAS 25-02-06 and CAS 25-05-08 were inspected on December 20, 2011. CAS 25-05-03 was inspected on December 19, 2011. During the previous inspections performed for Calendar Year 2010, one faded sign needed to be replaced at

CAS 25-02-06. Sign maintenance was completed in June 2011. During the 2011 inspections, three signs were down at CAS 25-05-03, and one obsolete sign needed to be replaced at CAS 25-05-08. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 309, Area 12 Muckpiles

Three CASs in CAU 309 require inspections. CAS 12-06-09, CAS 12-08-02, and CAS 12-28-01 were inspected on October 19, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 322, Areas 1 & 3 Release Sites and Injection Wells

One CAS in CAU 322 requires inspection. CAS 03-20-05 was inspected on November 8, 2011. During the previous inspections performed for Calendar Year 2010, two signs were down, and minor fence repair was required. Sign and fence maintenance was completed in March 2011. During the 2011 inspection, no issues were identified, and no maintenance or repairs were required.

CAS 03-20-05 requires annual inspections for the first 5 years after closure and once every 5 years thereafter for a total of 30 years. The site has been inspected annually for the past 5 years and will not be inspected again until 2016.

CAU 333, U-3aUS Disposal Site

One CAS in CAU 333 requires inspection. CAS 03-16-01 was inspected on November 8, 2011. Minor fence repair was required. Fence maintenance will be completed in 2012. No other issues were identified.

CAS 03-16-01 requires inspection every 5 years until 2026. The site will not be inspected again until 2016.

CAU 357, Mud Pits and Waste Dump

Three CASs in CAU 357 require inspections. CAS 04-26-03 and CAS 10-09-06 were inspected on November 1, 2011. CAS 25-15-01 was inspected on December 19, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 528, Polychlorinated Biphenyls Contamination

One CAS in CAU 528 requires inspection. CAS 25-27-03 was inspected on December 19, 2011. Three signs were down, three signs were loose, and one T-post was damaged. Sign and T-post maintenance will be completed in 2012. No other issues were identified.

CAS 25-27-03 requires annual inspections for the first 5 years after closure and once every 5 years thereafter for a total of 30 years. The site has been inspected annually for the past 5 years and will not be inspected again until 2016.

CAU 529, Area 25 Contaminated Materials

One CAS in CAU 529 requires inspection. CAS 25-23-17 was inspected on December 19, 2011. During the previous inspections performed for Calendar Year 2010, two signs were missing, and minor fence repair was required. Sign and fence maintenance were completed in May 2011.

During the 2011 inspection, two missing signs needed to be replaced. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 539, Areas 25 and 26 Railroad Tracks

One CAS in CAU 539 requires inspection. CAS 25-99-21 was inspected on December 19, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 542, Disposal Holes

Five CASs in CAU 542 require inspections. CAS 03-20-07, CAS 03-20-09, CAS 03-20-10, CAS 03-20-11, and CAS 06-20-03 were inspected on November 8, 2011. During the previous inspections performed for Calendar Year 2010, several faded signs needed to be replaced at CAS 03-20-09, CAS 03-20-10, and CAS 06-20-03. Sign maintenance was completed in May 2011. During the 2011 inspections, no issues were identified, and no maintenance or repairs were required.

CAU 543, Liquid Disposal Units

Three CASs in CAU 543 require inspections. CAS 06-07-01 was inspected on November 8, 2011. CAS 15-01-03 and CAS 15-23-03 were inspected on October 27, 2011. During the previous inspections performed for Calendar Year 2010, three signs were missing and minor fence repair was required at CAS 15-01-03 and CAS 15-23-03. Sign and fence maintenance was completed in April 2011. During the 2011 inspections, minor fence repair was required at CAS 06-07-01, CAS 15-01-03, and CAS 15-23-03. Fence maintenance will be completed in 2012. No other issues were identified.

CAU 544, Cellars, Mud Pits, and Oil Spills

One CAS in CAU 544 requires inspection. CAS 20-25-04 was inspected on October 18, 2011. Two T-posts were damaged, and minor fence repair was required. T-post and fence maintenance will be completed in 2012. No other issues were identified.

CAU 545, Dumps, Waste Disposal Sites, and Buried Radioactive Materials

Two CASs in CAU 545 require inspections. CAS 03-08-03 and CAS 03-23-05 were inspected on November 8, 2011. Several faded signs needed to be replaced at CAS 03-08-03 and CAS 03-23-05, and minor fence repair were required at CAS 03-08-03. Sign and fence maintenance will be completed in 2012. No other issues were identified.

CAU 546, Injection Well and Surface Releases

One CAS in CAU 546 requires inspection. CAS 09-20-01 was inspected on October 27, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 551, Area 12 Muckpiles

Four CASs in CAU 551 require inspections. CAS 12-01-09, CAS 12-06-05, CAS 12-06-07, and CAS 12-06-08 were inspected on November 14, 2011. During the previous inspections performed for Calendar Year 2010, two signs were down, and one faded sign needed to be replaced.

Sign maintenance was completed in May 2011. During the 2011 inspections, four faded signs and one missing sign needed to be replaced. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 552, Area 12 Muckpile and Ponds

One CAS in CAU 552 requires inspection. CAS 12-23-05 was inspected on October 18, 2011. One sign was loose. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 554, Area 23 Release Site

One CAS in CAU 554 requires inspection. CAS 23-02-08 was inspected on December 12, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 560, Septic Systems

Two CASs in CAU 560 require inspections. CAS 06-05-03 and CAS 06-05-04 were inspected on November 8, 2011. One missing sign and one damaged sign needed to be replaced. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 561, Waste Disposal Areas

One CAS in CAU 561 requires inspection. CAS 02-08-02 was inspected on October 24, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 566, EMAD Compound

One CAS in CAU 566 requires inspection. CAS 25-99-20 was inspected on December 19, 2011. No issues were identified, and no maintenance or repairs were required.

SOILS SITES

The following use restricted sites were closed under the Soils Activity.

CAU 107, Low Impact Soil Sites

Two CASs in CAU 107 require inspections. CAS 03-23-29 was inspected on November 8, 2011. CAS 18-23-02 was inspected on October 3, 2011. During the previous inspections performed for Calendar Year 2010, minor fence repair was required at CAS 03-23-29. Fence maintenance was completed in May 2011. During the 2011 inspection, no issues were identified, and no maintenance or repairs were required.

CAU 365, Baneberry Contamination Area

One CAS in CAU 365 requires inspection. CAS 08-23-02 was inspected on November 1, 2011. No issues were identified, and no maintenance or repairs were required.

CAU 367, Area 10 Sedan, Ess and Uncle Unit Craters

Three CASs in CAU 367 require inspections. CAS 10-45-01, CAS 10-45-02, and CAS 10-45-03 were inspected on October 27, 2011. No issues were identified, and no maintenance or repairs were required.

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CAU 370, T-4 Atmospheric Test Site

One CAS in CAU 370 requires inspection. CAS 04-23-01 was inspected on November 14, 2011. During the previous inspections performed for Calendar Year 2010, two signs were down, and minor fence repair was required. Sign and fence maintenance was completed in April and November 2011. During the 2011 inspections, seven signs were down, one sign was loose, and minor fence repair was required. Sign and fence maintenance will be completed in 2012. No other issues were identified.

CAU 371, Johnnie Boy Crater and Pin Stripe

Two CASs in CAU 371 require inspections. CAS 11-23-05 was inspected on November 14, 2011. CAS 18-45-01 was inspected on October 3, 2011. Several signs needed to be replaced at CAS 11-23-05. Sign maintenance will be completed in 2012. No other issues were identified.

CAU 372, Area 20 Cabriolet/Palanquin Unit Craters

Four CASs in CAU 372 require inspections. CAS 18-45-02 and CAS 18-45-03 were inspected on October 3, 2011. CAS 20-23-01 and CAS 20-45-01 were inspected on October 6, 2011. Minor fence repair was required at CAS 18-45-02 and CAS 18-45-03, one sign was loose at CAS 18-45-03, and two T-posts were damaged at CAS 18-45-03. Sign, fence, and T-post maintenance will be completed in 2012. No other issues were identified.

CAU 374, Area 20 Schooner Unit Crater

Two CASs in CAU 374 require inspections. CAS 18-23-01 was inspected on October 3, 2011. CAS 20-45-03 was inspected on October 6, 2011. Minor fence repair was required at CAS 18-23-01. Fence maintenance will be completed in 2012. No other issues were identified.

CAU 375, Area 30 Buggy Unit Craters

Two CASs in CAU 375 require inspections. CAS 25-23-22 was inspected on December 20, 2011. CAS 30-45-01 was inspected on October 3, 2011. One T-post was loose and minor fence repair was required at CAS 30-45-01. Sign and fence maintenance will be completed in 2012. No other issues were identified.

DEFENSE THREAT REDUCTION AGENCY (DTRA) SITES

The following use restricted sites were closed by DTRA. Results of these inspections are included in this report on behalf of DTRA.

CAU 383, Area 12 E-Tunnel Sites

Three CASs in CAU 383 require inspections. CAS 12-06-06, CAS 12-25-02, and CAS 12-28-02 were inspected on November 14, 2011. One sign was down and minor fence repair was required. Sign and fence maintenance will be completed in 2012. No other issues were identified.

CAU 476, Area 12 T-Tunnel Muckpile, and CAU 559, T-Tunnel Compressor/Blower Pad

One CAS in CAU 476 and one CAS in CAU 559 require inspection. The sites are co-located and reported on a single inspection checklist. CAS 12-06-02 and CAS 12-25-13 were inspected on October 19, 2011. No issues were identified, and no maintenance or repairs were required.

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CAU 477, Area 12 N-Tunnel Muckpile

One CAS in CAU 477 requires inspection. CAS 12-06-03 was inspected on October 18, 2011. During the previous inspections performed for Calendar Year 2010, it was noted that the wording on the sign had been altered. Sign maintenance was completed in April 2011. During the 2011 inspection, no issues were identified, and no maintenance or repairs were required.

CAU 478, Area 12 T-Tunnel Ponds

One CAS in CAU 478 requires inspection. CAS 12-23-01 was inspected on October 19, 2011. During the previous inspections performed for Calendar Year 2010, minor fence repair was required. Fence maintenance was completed in May 2011. During the 2011 inspection, no issues were identified, and no maintenance or repairs were required.

CAU 482, Area 15 U15a/e Muckpiles and Ponds

Three CASs in CAU 482 require inspections. CAS 15-06-01, CAS 15-06-02, and CAS 15-38-01 were inspected on October 27, 2011. No issues were identified, and no maintenance or repairs were required.

Copies of completed inspection checklists are enclosed. Please direct comments and questions to Tiffany Lantow, of my staff, at (702) 295-7645.

/s/: Robert F. Boehlecke

Robert F. Boehlecke
Environmental Management
Operations Activity Manager

ERP:8567.TL

Enclosures:
As stated

MAY 16 2012

cc w/encl.:

J. J. MacDougall, NDEP, Las Vegas, NV (2 electronic copies)
Northern Nevada Public Reading Facility, Carson City, NV (1 electronic copy)
Southern Nevada Public Reading Facility, Las Vegas, NV (2 electronic copies)
R. A. King, NSTec, Las Vegas, NV
NSTec STI Point of Contact, MS NLV051 (electronic copy to OSTI)
NSTec Correspondence Control, MS NLV008
Technical Library, NNSA/NSO, Las Vegas, NV (electronic copy)

cc w/o encl:

J. T. Fraher, DTRA/CXTS, Kirtland AFB, NM
H. S. Page, NDEP, Las Vegas, NV
T. M. Zaferatos, NDEP, Las Vegas, NV
N-I Central Files, MS NSF 156
T. A. Lantow, ERP, NNSA/NSO, Las Vegas, NV
FFACO Group, PSG, NNSA/NSO, Las Vegas, NV
NNSA/NSO Read File

ENCLOSURE: INSPECTION CHECKLISTS

Post-Closure Inspection
Letter Report for Corrective
Action Units on the Nevada
National Security Site

Calendar Year 2011

May 2012

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CAU 5: LANDFILLS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 05-15-01, SANITARY LANDFILL

Inspection Date and Time: <u>11/8/11</u> <u>3:25pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/22/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		<u>UR signs rehung + T-posts repaired</u>
a. If yes, has site repair resulted in a change from as-built conditions?		✓	NA
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		✓	NA

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any of the 11 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?	0		
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?	0		<u>✓ RAK 11/8/11</u>

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 05-15-01, SANITARY LANDFILL

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 005\2011\11-8-2011 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

5. Field Conclusions/Recommendations: Site and signage in good condition
no evidence of erosion or settling on cover.
No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Proj. Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 05-16-01, LANDFILL

Inspection Date and Time: <u>11/14/11</u> <u>11:05</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/22/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		<u>One downed sign was re-hung</u>
a. If yes, has site repair resulted in a change from as-built conditions?		✓	NA
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		✓	NA

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Pre-arrange access to the site with the Area 5 RWMS 1 week prior to the inspection so the activity can be added to their Plan of the Day*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers East of Berm:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 05-16-01, LANDFILL

2. Waste Unit Cover East of Berm:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	
3. Site Markers West of Berm:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?		✓	
b. Have any posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		
d. Are any use restriction signs damaged or missing?		✓	
e. How many damaged or missing signs need to be replaced?	0		
f. Are any use restriction signs down?		✓	
g. How many down signs need to be re-hung?	0		
4. Waste Unit Cover West of Berm:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
5. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?	RAE 11/11/11 1		
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 005\ 2011
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 05-16-01, LANDFILL

5. Field Conclusions/Recommendations: *On RAK 11/14/11*
Signs and cover at both sides of berm
are in good condition. Fencing in good condition
No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: */s/ Rebecca King*

Date: *11/14/11*

Printed Name: *Rebecca King*

Title: *Project Manager*

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: */s/ Reed J. Poderis for TAT*

Date: *11/28/11*

Printed Name: Thomas A. Thiele (or designee)

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POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 06-08-01, LANDFILL

Inspection Date and Time: <u>11/14/11</u> <u>1:15 pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/9/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	
a. If yes, has site repair resulted in a change from as-built conditions?		NA	✓
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		NA	✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the site gate*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers around Fenced Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the gate?		✓	
b. Is the gate lock in place and functional?		✓	
c. Is there damage to the fence or fence posts?		✓	
d. Have any posts been damaged or their anchoring weakened?		✓	
e. Are all use restriction signs legible?	✓		
f. Are any use restriction signs damaged or missing?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 06-08-01, LANDFILL

g. How many damaged or missing signs need to be replaced?	0	
h. Are any use restriction signs down?	☒	4 signs are down
i. How many down signs need to be re-hung?	4	
2. Waste Unit Cover in Fenced Area:	YES NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?	☐ ☒	
b. Is there evidence of erosion (wind or water)?	☐ ☒	
c. Is there evidence of human intrusion onto the site?	☐ ☒	
d. Is there evidence of large animal intrusion onto the site?	☐ ☒	
3. Site Markers from Southern Boundary to Fence:	YES NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐ ☒	
b. Are all use restriction signs legible?	☒ ☐	
c. Are any use restriction signs damaged or missing?	☐ ☒	
d. How many damaged or missing signs need to be replaced?	0	
e. Are any use restriction signs down?	☐ ☒	
f. How many down signs need to be re-hung?	0	
4. Waste Unit Cover from Southern Boundary to Fence:	YES NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?	☐ ☒	
b. Is there evidence of erosion (wind or water)?	☐ ☒	
c. Is there evidence of human intrusion onto the site?	☐ ☒	
d. Is there evidence of large animal intrusion onto the site?	☐ ☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 		
5. Photograph Documentation:	YES NO	EXPLANATION
a. Have photographs been taken of the site?	☒	
If yes, how many photos were taken?	3	
If yes, has a photographic log been prepared?	☒	File Location: S:\NTS\ER Share\Photos\CAU 005\2011\ 11-14-2011 Inspections
E. FIELD CONCLUSIONS	YES NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐ ☒	
2. Are existing maintenance/repair actions satisfactory?	☒ ☐	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 06-08-01, LANDFILL

3. Are maintenance/repair actions necessary?

Re-hang 4 UR signs / Remove 2 signs down at fleet equip fence

4. Is there an imminent hazard to the integrity of the landfill cover?

5. Field Conclusions/Recommendations:

4 UR signs on eastern UR fence are down. 2 additional signs are on the ground at the N-S trending fence outside the eastern UR fence. Require removal + returned to Mercury. These are extra signs that were apparently blown off in past.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: */s/ Rebecca King*

Date: *11/14/11*

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete:

Signature: */s/ Reed J. Poderis for TAT*

Date: *11/22/11*

Printed Name: Thomas A. Thiele (or designee)

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POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS --

CAS 06-15-02, SANITARY LANDFILL, AND CAS 06-15-03, SANITARY LANDFILL, BURN PIT

Inspection Date and Time: 11/8/11 2:10 pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/9/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	
a. If yes, has site repair resulted in a change from as-built conditions?			NA ✓
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?			NA ✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES NO EXPLANATION (required if shaded box is checked)

a. Have any posts been damaged or their anchoring weakened?	✓		1 sign down with 1 post out of ground
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	11/11/11
e. Are any use restriction signs down?	✓		1 sign down - see 1.a above and 1 sign down but posts still in ground
f. How many down signs need to be re-hung?		2	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS -

CAS 06-15-02, SANITARY LANDFILL, AND CAS 06-15-03, SANITARY LANDFILL, BURN PIT

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		3	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 005\2011\ 11-8-2011 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?	✓		re-anchor post and re-hang 2 signs
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

5. Field Conclusions/Recommendations: 1 post down with sign still attached, 1 sign down with post still in ground. Suggest drilling new holes in downed signs + using large washers on front side. Rest of site in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 11/8/11
Printed Name: Rebecca King	Title: Prog. Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/22/11
Printed Name: Thomas A. Thiele (or designee)	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 12-15-01, SANITARY LANDFILL

Inspection Date and Time: <u>10/18/11</u> <u>1430</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>10/11/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Landy Traugh</u>	Title: <u>laborer</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		<u>Sign + fence maintenance</u>
a. If yes, has site repair resulted in a change from as-built conditions?		✓	NA
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		NA	✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the three site gates
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to any of the three gates?		✓	
b. Are the gate locks in place and functional?	✓		
c. Is there damage to the fence or fence posts?		✓	
d. Have any sign posts been damaged or their anchoring weakened?		✓	
e. Are all use restriction signs legible?	✓		
f. Are any use restriction signs damaged or missing?		✓	
g. How many damaged or missing signs need to be replaced?		0	
h. Are any use restriction signs down?		✓	
i. How many down signs need to be re-hung?		0	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 12-15-01, SANITARY LANDFILL

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?	☒	☐	
b. Is there evidence of erosion (wind or water)?	☒	☐	
c. Is there evidence of human intrusion onto the site?	☒	☐	
d. Is there evidence of large animal intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 005\2011\10-18-2011 inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	
4. Is there an imminent hazard to the integrity of the landfill cover?	☒	☐	

5. Field Conclusions/Recommendations: Site is in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: <u>/s/ Rebecca King</u>	Date: <u>10/18/11</u>
Printed Name: <u>Rebecca King</u>	Title: <u>Project Manager</u>

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: <u>/s/ Reed J. Poderis for TAT</u>	Date: <u>11/3/2011</u>
Printed Name: <u>Thomas A. Thiele (or designee)</u>	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 20-15-01, LANDFILL

Inspection Date and Time: <u>10/18/11</u> <u>9:15</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>10/18/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Randy Traugh</u>	Title: <u>laborer</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	
a. If yes, has site repair resulted in a change from as-built conditions?		NA	✓
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		NA	✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?	0		
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?	0		

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 20-15-01, LANDFILL

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓	✗	RAK 10/18/11
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 005\2011\10-18-11 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

5. Field Conclusions/Recommendations: Site is in good condition. Sign + posts in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King

Date: 10/18/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT

Date: 11/4/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 23-15-03, DISPOSAL SITE

Inspection Date and Time: <u>12/12/11</u> <u>10am</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/29/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>NA</u>	Title:

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		<u>Sign repair</u>
a. If yes, has site repair resulted in a change from as-built conditions?		NA ✓	
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		NA ✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Pre-arrange access to both the WSI Training Facility and the Area 23 Landfill*
- Obtain key from Waste Generator Services to access the site*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers (Area 23 Landfill):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	✓		<u>1 Loose T-post</u>
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	✓		<u>1 sign down</u>
f. How many down signs need to be re-hung?		1	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 23-15-03, DISPOSAL SITE

2. Waste Unit Cover (Area 23 Landfill):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	
3. Site Markers (WSI Training Facility):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	✓		1 T-post down
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	✓		2 signs down
f. How many down signs need to be re-hung?		2	
4. Waste Unit Cover (WSI Training Facility):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
5. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		5	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 5\ 2011\ 12-12-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?	✓		Repair 2 T-posts, Rehang 3 signs
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 5, LANDFILLS – CAS 23-15-03, DISPOSAL SITE

5. Field Conclusions/Recommendations: 2 signs and 1 T-post down on WSI area.
1 sign + 1 loose post on A23- landfill area. No other
issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/12/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 12/14/11

Printed Name: Thomas A. Thiele (or designee)

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CAU 113: AREA 25 R-MAD FACILITY

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POST-CLOSURE INSPECTION CHECKLIST**CAU 113, AREA 25 R-MAD FACILITY – CAS 25-41-01, R-MAD FACILITY**

Inspection Date and Time: <u>12/19/11</u> <u>3:20</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/15/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Proj Mgr</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the perimeter of the use-restricted area and sufficient transects of the use-restricted area to be able to inspect the entire surface and all features specifically described in this checklist. The inspection does not include the outer R-MAD Facility fence or any areas within the R-MAD Facility fence that are outside the use-restricted area.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 10 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	<u>0</u>	
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 113, AREA 25 R-MAD FACILITY – CAS 25-41-01, R-MAD FACILITY

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES

NO

EXPLANATION

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 113\ 2011\ 12-19-2011 Inspection\ 25-41-01

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

NO

✓

2. Are existing maintenance/repair actions satisfactory?

✓

NO

3. Are maintenance/repair actions necessary?

NO

✓

4. Field Conclusions/Recommendations: Signage and site in good condition
No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

CAU 115: AREA 25 TEST CELL A FACILITY

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POST-CLOSURE INSPECTION CHECKLIST**CAU 115, AREA 25 TEST CELL A FACILITY – CAS 25-41-04, TEST CELL A FACILITY**

Inspection Date and Time: 12/20/11 9:45 Reason for Inspection: Annual
 Date of Last Post-Closure Inspection: 11/15/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Proj Mgr
 Assistant Inspector: Mike Floyd Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
☒	☐	
☒	☐	
☐	☒	
☐	☒	

1. Has the Post-Closure Plan been reviewed?

2. Have the previous inspection reports been reviewed?

3. Were anomalies or trends detected on previous inspections?

4. Were maintenance or repair activities performed since the last inspection?

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- *ER SKD66 key to access the Test Cell A Facility*
- *Contact RadCon for RCT requirements*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the perimeter of the outer Test Cell A Facility fence, the perimeter of the use-restricted area (pad), and sufficient transects of the use-restricted area (pad) to be able to inspect the entire surface and all features specifically described in this checklist. The inspection does not include any areas within the Test Cell A Facility fence that are outside the use-restricted area. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☐	☒	
☐	☒	
☒	☐	
☐	☒	
☐	☒	
☐	☒	

a. Is there damage to the gate or lock?

b. Is there damage to the fence or fence posts?

c. Have any sign posts been damaged or their anchoring weakened?

d. Are all use restriction signs on the outer Test Cell A Facility fence legible?

e. Are any of the 20 use restriction signs damaged or missing?

f. How many damaged or missing signs need to be replaced?

g. Are any use restriction signs down?

POST-CLOSURE INSPECTION CHECKLIST

CAU 115, AREA 25 TEST CELL A FACILITY – CAS 25-41-04, TEST CELL A FACILITY

h. How many down signs need to be re-hung?	0		
i. Do any Radioactive Material Area signs on the outer Test Cell A Facility fence need to be replaced or re-hung?	☒		
j. Do any Underground Radioactive Material Area signs around the pad need to be replaced or re-hung?	☒		
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒		

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒		
If yes, how many photos were taken?	1		
If yes, has a photographic log been prepared?	☒		File Location: S:\NTS\ER Share\Photos\CAU 115\ 2011\ 12-20-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒		
2. Are existing maintenance/repair actions satisfactory?	☒		
3. Are maintenance/repair actions necessary?	☒		

4. Field Conclusions/Recommendations: Signage, fencing and site in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 12/20/11
Printed Name: Rebecca King	Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 1/3/2012
Printed Name: Thomas A. Thiele (or designee)	

CAU 116: AREA 25 TEST CELL C FACILITY

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POST-CLOSURE INSPECTION CHECKLIST**CAU 116, AREA 25 TEST CELL C FACILITY – CAS 25-41-05, TEST CELL C FACILITY**

Inspection Date and Time: <u>12/20/11</u> <u>9:15</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>NA</u>	Reason for Last Post-Closure Inspection: <u>NA</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Muke Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	<u>1st annual inspection</u>
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- *ER SKD66 key to access the Test Cell C Facility*
- *Contact RadCon for RCT requirements*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the perimeter of the use-restricted area and sufficient transects of the use-restricted area to be able to inspect the entire surface and all features specifically described in this checklist. The inspection does not include the outer Test Cell C Facility fence or any areas within the Test Cell C Facility fence that are outside the use-restricted area. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the gate or lock?	☐	☒	
b. Is there damage to the fence or fence posts?	☒	☐	
c. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
d. Are all use restriction signs legible?	☒	☐	
e. Are any use restriction signs damaged or missing?	☐	☒	
f. How many damaged or missing signs need to be replaced?		<u>0</u>	
g. Are any use restriction signs down?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 116, AREA 25 TEST CELL C FACILITY – CAS 25-41-05, TEST CELL C FACILITY

h. How many down signs need to be re-hung?

0

i. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?

✓

2. Use-Restricted Area:

YES

NO

EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

✓

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES

NO

EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

12

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\116\2011\12-20-2011 Inspection

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

4. Field Conclusions/Recommendations: Signage and pad are in good condition. No issues at this site.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/20/11

Printed Name: Rebecca King

Title: Prop Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

CAU 118: AREA 27 SUPER KUKLA FACILITY

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POST-CLOSURE INSPECTION CHECKLIST

CAU 118, AREA 27 SUPER KUKLA FACILITY –
CAS 27-41-01, SUPER KUKLA REACTOR BUILDING/HIGH BAY AND MECHANICAL BUILDING

Inspection Date and Time: 12/20/11 11:35 Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/22/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Proj Mgr
Assistant Inspector: Mike Floyd Title: Field Super.

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Fence Repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 9 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?		0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?		0	

POST-CLOSURE INSPECTION CHECKLIST

**CAU 118, AREA 27 SUPER KUKLA FACILITY –
CAS 27-41-01, SUPER KUKLA REACTOR BUILDING/HIGH BAY AND MECHANICAL BUILDING**

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
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a. Is there evidence of human intrusion onto the site?	☒	☐	
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Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
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a. Have photographs been taken of the site?	☒	☐	
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If yes, how many photos were taken?	☐	☒	
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If yes, has a photographic log been prepared?	☒	☐	File Location: SANTS\ER Share\Photos\CAU 118\ 2011\ 12-20-2011 Inspection
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E. FIELD CONCLUSIONS

	YES	NO	EXPLANATION (required if shaded box is checked)
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1. Are more frequent inspections required?	☒	☐	
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2. Are existing maintenance/repair actions satisfactory?	☒	☐	
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3. Are maintenance/repair actions necessary?	☒	☐	
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4. Field Conclusions/Recommendations: Signage, fencing + site in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/20/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

CAU 127: AREAS 25 AND 26 STORAGE TANKS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 127, AREAS 25 AND 26 STORAGE TANKS – CAS 25-01-07, ABOVEGROUND STORAGE TANK

Inspection Date and Time: 12/19/11 11:35	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD207 key to access the EMAD Facility
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	☒		1 sign down and 1 with a loose corner
f. How many down signs need to be re-hung?		2	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 127, AREAS 25 AND 26 STORAGE TANKS – CAS 25-01-07, ABOVEGROUND STORAGE TANK**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 127\ 2011\ 12-19-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Rehang 1 sign, Reattach loose corner on 1 sign
4. Field Conclusions/Recommendations:	One sign down to be Rehang and on, sign with a corner to Reattach No other issues.		

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 12/19/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 1/3/2012
Printed Name: Thomas A. Thiele (or designee)	

POST-CLOSURE INSPECTION CHECKLIST**CAU 127, AREAS 25 AND 26 STORAGE TANKS – CAS 25-02-02, UNDERGROUND STORAGE TANK**Inspection Date and Time: 12/19/11 1:40 Reason for Inspection: AnnualDate of Last Post-Closure Inspection: 11/15/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project ManagerAssistant Inspector: Mike Floyd Title: Field Supervisor**A. GENERAL INSTRUCTIONS**

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	☐	<u>0</u>
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	☐	<u>0</u>
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 127, AREAS 25 AND 26 STORAGE TANKS – CAS 25-02-02, UNDERGROUND STORAGE TANK

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☒	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 127\ 2011\ 12-19-2011 Inspection\ 25-02-02

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Signage and site in good condition.
No issues
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

CAU 137: WASTE DISPOSAL SITES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 137, WASTE DISPOSAL SITES – CAS 01-08-01, WASTE DISPOSAL SITE

Inspection Date and Time: 11/8/11 2:25 pm	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/9/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Super.

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☐	☒	3 faded signs
d. Are any of the 10 use restriction signs damaged or missing?	☒	☐	RAK 11/8/11 3 faded signs 3 faded RAK 11/8/11
e. How many damaged or missing signs need to be replaced?	☐	☐	3
f. Are any use restriction signs down?	☐	☒	no signs down but one is loose
g. How many down signs need to be re-hung?	☐	☐	1
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 137, WASTE DISPOSAL SITES – CAS 01-08-01, WASTE DISPOSAL SITE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☒	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 137\2011\11-8-11 Inspections

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☒	☐	Replace 3 signs + reattach one.

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: 3 UR signs are faded and need to be replaced. One UR sign is loose and requires re-attachment. Otherwise site in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 137, WASTE DISPOSAL SITES – CAS 07-23-02, RADIOACTIVE WASTE DISPOSAL SITE

Inspection Date and Time: 11/8/11 9am

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 10/25/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Flynn

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

✓

2. Have the previous inspection reports been reviewed?

✓

3. Were anomalies or trends detected on previous inspections?

✓

4. Were maintenance or repair activities performed since the last inspection?

✓

Signs replaced.

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES NO EXPLANATION (required if shaded box is checked)

a. Is there damage to the fence or fence posts?

✓

b. Have any posts been damaged or their anchoring weakened?

✓

c. Are all use restriction signs legible?

✓

d. Are any of the 6 use restriction signs damaged or missing?

✓

e. How many damaged or missing signs need to be replaced?

0

f. Are any use restriction signs down?

✓

g. How many down signs need to be re-hung?

0

h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?

✓

POST-CLOSURE INSPECTION CHECKLIST

CAU 137, WASTE DISPOSAL SITES – CAS 07-23-02, RADIOACTIVE WASTE DISPOSAL SITE

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		☒	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒		
If yes, how many photos were taken?			13 RAK 11/8/11
If yes, has a photographic log been prepared?	☒		File Location: S:\NTS\ER Share\ Photos\ CAU 137\ 2011\ 11-8-11 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		☒	
2. Are existing maintenance/repair actions satisfactory?	☒		
3. Are maintenance/repair actions necessary?		☒	

4. Field Conclusions/Recommendations: Site and signage in good condition

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 137, WASTE DISPOSAL SITES – CAS 12-08-01, WASTE DISPOSAL SITE, AND CAS 12-23-07, WASTE DISPOSAL SITE

Inspection Date and Time: 10/18/11 11:40	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/11/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Randy Traugh	Title: Laborer

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Faded UR signs replaced

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Check in at the G-Tunnel office prior to the inspection.
- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 8 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?		0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?		0	

POST-CLOSURE INSPECTION CHECKLIST**CAU 137, WASTE DISPOSAL SITES –
CAS 12-08-01, WASTE DISPOSAL SITE, AND CAS 12-23-07, WASTE DISPOSAL SITE**

h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☐	☒	Site in good condition - no photo needed
If yes, how many photos were taken?			
If yes, has a photographic log been prepared?	☐	☐	File Location: S:\NTS\ER Share_____
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☒	
4. Field Conclusions/Recommendations: <i>All signs, posts and fencing in good condition</i>			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: <i>/s/ Rebecca King</i>		Date: <i>10/18/11</i>	
Printed Name: <i>Rebecca King</i>		Title: <i>Project Manager</i>	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: <i>/s/ Reed J. Poderis for TAT</i>		Date: <i>11/4/11</i>	
Printed Name: Thomas A. Thiele (or designee)			

CAU 139: WASTE DISPOSAL SITES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 139, WASTE DISPOSAL SITES – CAS 06-19-03, WASTE DISPOSAL TRENCHES

Inspection Date and Time: 11/8/11 1:40pm	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/9/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	
a. If yes, has site repair resulted in a change from as-built conditions?	☐	☐	NA
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?	☐	☐	NA

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any monuments been damaged?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	

POST-CLOSURE INSPECTION CHECKLIST

CAU 139, WASTE DISPOSAL SITES – CAS 06-19-03, WASTE DISPOSAL TRENCHES

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?	☒	☐	
b. Is there evidence of erosion (wind or water)?	☒	☐	
c. Is there evidence of human intrusion onto the site?	☒	☐	
d. Is there evidence of large animal intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 139\2011\11-8-2011 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	
4. Is there an imminent hazard to the integrity of the landfill cover?	☒	☐	

5. Field Conclusions/Recommendations: Site, monuments, signage, and cover are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Proj. Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 139, WASTE DISPOSAL SITES – CAS 09-23-01, AREA 9 GRAVEL GERTIE

Inspection Date and Time: 11/1/11 11:45am	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/25/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Sarah Ryan	Title: RCT

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☒	☐	Loose fencing
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Fence repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☒	☐	2 sections of fence wire loose
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 139, WASTE DISPOSAL SITES – CAS 09-23-01, AREA 9 GRAVEL GERTIE

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	1		
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 139\2011\ 11-1-11 Inspections
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Repair loose fencing
4. Field Conclusions/Recommendations: Site and signage in good condition. No issues, except fence repair.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 11/1/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/ Reed J. Poderis for TAT		Date: 11/14/11	
Printed Name: Thomas A. Thiele (or designee)			

**CAU 140: WASTE DUMPS, BURN PITS,
AND STORAGE AREA**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 140, WASTE DUMPS, BURN PITS, AND STORAGE AREA – CAS 05-23-01, GRAVEL GERTIE

Inspection Date and Time: 11/8/11 3:45 pm Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/22/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: Mike Floyd Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	fence and sign repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 140, WASTE DUMPS, BURN PITS, AND STORAGE AREA – CAS 05-23-01, GRAVEL GERTIE

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

YES NO

EXPLANATION (required if shaded box is checked)

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation: YES NO EXPLANATION

a. Have photographs been taken of the site?

YES NO

EXPLANATION

If yes, how many photos were taken?

YES NO

File Location: S:\NTS\ER Share\Photos\CAU 140\ 11-8-2011 Inspection

If yes, has a photographic log been prepared?

YES NO

E. FIELD CONCLUSIONS

YES NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

YES NO

2. Are existing maintenance/repair actions satisfactory?

YES NO

3. Are maintenance/repair actions necessary?

YES NO

4. Field Conclusions/Recommendations: Site, fencing, and signage are all in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 140, WASTE DUMPS, BURN PITS, AND STORAGE AREA – CAS 23-17-01, HAZARDOUS WASTE STORAGE AREA

Inspection Date and Time: 12/12/11 10:30am

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/22/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: NA

Title:

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Sign + T-post maintenance

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (TPH Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area (TPH Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 140, WASTE DUMPS, BURN PITS, AND STORAGE AREA – CAS 23-17-01, HAZARDOUS WASTE STORAGE AREA

3. Site Markers (Landfill Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	

4. Use-Restricted Area (Landfill Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

5. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 140\ 2011\ 12-12-2011 CAS 23-17-01 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Field Conclusions/Recommendations: Site and signage are in good condition. No issues. RAK 12/12/11			

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 12/12/2011
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 12/14/11
Printed Name: Thomas A. Thiele (or designee)	

CAU 143: AREA 25 CONTAMINATED WASTE DUMPS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 143, AREA 25 CONTAMINATED WASTE DUMPS – CAS 25-23-03, CONTAMINATED WASTE DUMP #2

Inspection Date and Time: 12/19/11 11:45 Reason for Inspection: Annual
 Date of Last Post-Closure Inspection: 11/15/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: Mike Floyd Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?		0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?		0	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 143, AREA 25 CONTAMINATED WASTE DUMPS – CAS 25-23-03, CONTAMINATED WASTE DUMP #2

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

YES NO

YES NO

EXPLANATION (required if shaded box is checked)

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation: YES NO EXPLANATION

a. Have photographs been taken of the site?

YES NO

YES NO

EXPLANATION

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

YES NO

YES NO

File Location: S:\NTS\ER Share\Photos\CAU 143\ 2011\ 12-19-2011 Inspection

E. FIELD CONCLUSIONS

YES NO

YES NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

YES NO

YES NO

2. Are existing maintenance/repair actions satisfactory?

YES NO

YES NO

3. Are maintenance/repair actions necessary?

YES NO

YES NO

4. Field Conclusions/Recommendations: Site, fencing and signage in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Prog Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 143, AREA 25 CONTAMINATED WASTE DUMPS – CAS 25-23-09, CONTAMINATED WASTE DUMP #1

Inspection Date and Time: 12/19/11 3:00	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Proj Mgr
Assistant Inspector: Mike Floyd	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	sign repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 10 use restriction signs damaged or missing?	☒	☐	1 missing + 1 damaged
e. How many damaged or missing signs need to be replaced?	☐	☒	2 gate sign missing
f. Are any use restriction signs down?	☒	☐	4 down + 1 loose
g. How many down signs need to be re-hung?	☐	☒	4

POST-CLOSURE INSPECTION CHECKLIST**CAU 143, AREA 25 CONTAMINATED WASTE DUMPS – CAS 25-23-09, CONTAMINATED WASTE DUMP #1**

h. Do any Radioactive Material Area signs need to be replaced or re-hung?	☒	☒	
i. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	6		
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 143\ 2011\ 12-19-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☐	Sign repair and replacement
4. Field Conclusions/Recommendations: 2 UR signs missing + 1 damaged Require Replacement. 4 signs down and 1 loose - all need to be rehanging. No other issues.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 12/19/11	
Printed Name: Rebecca King		Title: Proj. Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 1/3/2012	
Printed Name: Thomas A. Thiele (or designee)			

CAU 145: WELLS AND STORAGE HOLES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 145, WELLS AND STORAGE HOLES – CAS 03-25-01, OIL SPILLS

Inspection Date and Time: 11/8/11 12:50	Reason for Inspection: Annual	
Date of Last Post-Closure Inspection: 11/1/10	Reason for Last Post-Closure Inspection: Annual	
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada		
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project		
Chief Inspector: Rebecca King	Title: Project Manager	
Assistant Inspector: Mike Floyd	Title: Field Supervisor	
A. GENERAL INSTRUCTIONS <ul style="list-style-type: none"> Complete all checklist items. If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information. All documentation must be legible and clear. 		
B. PREPARATION (To be completed prior to site visit)	YES	NO
1. Has the Post-Closure Plan been reviewed?	✓	
2. Have the previous inspection reports been reviewed?	✓	
3. Were anomalies or trends detected on previous inspections?		✓
4. Were maintenance or repair activities performed since the last inspection?		✓
C. SITE INSPECTION PREPARATION		
Assemble the following, as needed, to conduct inspections:		
<ul style="list-style-type: none"> Radio, pager, etc. Previous letter report, inspection checklists, repair records, and as-built plans Camera, digital storage drive, extra batteries, and other miscellaneous support equipment 		
D. SITE INSPECTION		
<ul style="list-style-type: none"> The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection; however, if necessary, Industrial Hygiene should be contacted prior to entry into the use-restricted area due to surface lead contamination. The checklist should be completed during the site inspection. If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection. Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions. 		
1. Site Markers:	YES	NO
a. Have any posts been damaged or their anchoring weakened?		✓
b. Are all use restriction signs legible?	✓	
c. Are any of the 6 use restriction signs damaged or missing?		✓
d. How many damaged or missing signs need to be replaced?	0	
e. Are any use restriction signs down?	✓	1 sign down
f. How many down signs need to be re-hung?	1	
2. Use-Restricted Area:	YES	NO
a. Is there evidence of human intrusion onto the site?		✓

POST-CLOSURE INSPECTION CHECKLIST

CAU 145, WELLS AND STORAGE HOLES – CAS 03-25-01, OIL SPILLS

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☐	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 145\2011\11-8-2011 Inspections

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	11/8/11
☒	☐	Re-hang 1 sign

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: 1 UR sign is down and requires re-hanging. Otherwise site and signage in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/22/11

Printed Name: Thomas A. Thiele (or designee)

CAU 151: SEPTIC SYSTEMS AND DISCHARGE AREA

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POST-CLOSURE INSPECTION CHECKLIST**CAU 151, SEPTIC SYSTEMS AND DISCHARGE AREA – CAS 12-03-01, SEWAGE LAGOONS (6)
LAGOON A**

Inspection Date and Time: <u>10/18/11</u> <u>1330</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>10/11/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Randy Traugh</u>	Title: <u>Laborer</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
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1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 6 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		<u>0</u>	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 151, SEPTIC SYSTEMS AND DISCHARGE AREA – CAS 12-03-01, SEWAGE LAGOONS (6)
LAGOON A**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☐	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 151\2011\Photos\CAU 151\2011\10-18-11\inspections\CAS 12-03-01

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Site is in good condition.**F. CERTIFICATION:** I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/18/11

Printed Name: Rebecca King

Title: PROJECT Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/4/2011

Printed Name: Thomas A. Thiele (or designee)

**CAU 165: AREA 25 AND 26 DRY WELL
AND WASHDOWN AREAS**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 165, AREA 25 AND 26 DRY WELL AND WASHDOWN AREAS – CAS 25-20-01, LAB DRAIN DRY WELL

Inspection Date and Time: 12/19/11 11:25	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: PROJECT MANAGER
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☒	☐	1 sign loose on 1 side
d. How many damaged or missing signs need to be replaced?	☐	☐	0
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	☐	0
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 165, AREA 25 AND 26 DRY WELL AND WASHDOWN AREAS – CAS 25-20-01, LAB DRAIN DRY WELL

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 165\ 2011\ 12-19-11 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Sign Repair

4. Field Conclusions/Recommendations: 1 sign is loose on 1 side needs to be reattached. No other issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

**CAU 168: AREA 25 AND 26 CONTAMINATED
MATERIALS AND WASTE DUMPS**

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POST-CLOSURE INSPECTION CHECKLIST

**CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS –
CAS 25-16-03, MX CONSTRUCTION LANDFILL**

Inspection Date and Time: <u>12/19/11</u> <u>10:55</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>12/16/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	
a. If yes, has site repair resulted in a change from as-built conditions?		NA	✓
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?		NA	✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?		✓	
b. Have any sign posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		
d. Are any of the 10 use restriction signs damaged or missing?		✓	
e. How many damaged or missing signs need to be replaced?	0		
f. Are any use restriction signs down?		✓	
g. How many down signs need to be re-hung?	0		

POST-CLOSURE INSPECTION CHECKLIST

**CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS –
CAS 25-16-03, MX CONSTRUCTION LANDFILL**

2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 168\ <u>200</u> \2011 <u>12-19-11 Inspection 25-16-03</u> RAK 12/19/11

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Is there an imminent hazard to the integrity of the landfill cover?		✓	

5. Field Conclusions/Recommendations: Site, fencing and signage in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS – CAS 25-23-02, RADIOACTIVE STORAGE RR CARS

Inspection Date and Time: <u>12/19/11</u> <u>12:10</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/15/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Proj Mgr</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?		✓	
b. Have any sign posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		
d. Are any of the 18 use restriction signs damaged or missing?		✓	
e. How many damaged or missing signs need to be replaced?	0		
f. Are any use restriction signs down?	✓		
g. How many down signs need to be re-hung?		1	1 sign down
h. Do any Radioactive Material Area signs need to be replaced or re-hung?		✓	

POST-CLOSURE INSPECTION CHECKLIST			
CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS – CAS 25-23-02, RADIOACTIVE STORAGE RR CARS			
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?	1		
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 168\ <u>2011</u> <u>12-19-2011 Inspection</u>
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?	✓		1 sign to Reharg
4. Field Conclusions/Recommendations: <u>1 sign down to Reharg. Rest of site in good condition.</u>			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: <u>/s/ Rebecca King</u>		Date: <u>12/19/11</u>	
Printed Name: <u>Rebecca King</u>		Title: <u>Proj. Manager</u>	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: <u>/s/ Reed J. Poderis for TAT</u>		Date: <u>1/3/2012</u>	
Printed Name: <u>Thomas A. Thiele (or designee)</u>			

POST-CLOSURE INSPECTION CHECKLIST

CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS – CAS 25-99-16, USW G3

Inspection Date and Time: <u>12/19/11</u> <u>9:55</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>12/29/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super.</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Pre-arrange access to the site through the OCC at least 2 weeks prior to the inspection*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any of the 4 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 168, AREA 25 AND 26 CONTAMINATED MATERIALS AND WASTE DUMPS – CAS 25-99-16, USW G3

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 168\ 2011\ 12-19-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Field Conclusions/Recommendations: Gate to facility does not have a SKD 66 padlock. Site has animal burrows and small area of subsidence. Signs and posts in good condition. No repairs required - monitor animal burrows.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 12/19/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 1/3/12	
Printed Name: Thomas A. Thiele (or designee)			

CAU 204: STORAGE BUNKERS

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POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 01-34-01, UNDERGROUND INST. HOUSE BUNKER**

Inspection Date and Time: 11/8/11 1:05 pm	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/9/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the bunker is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Site Markers:			
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	

POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 01-34-01, UNDERGROUND INST. HOUSE BUNKER**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES NO EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 204\2011\11-8-11 inspections

E. FIELD CONCLUSIONS

YES NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

1

4. Field Conclusions/Recommendations:

Site and signage are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 02-34-01, INSTRUMENT BUNKER**

Inspection Date and Time: 10/24/11 10:30 am	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/25/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Proj. Manager
Assistant Inspector: Sarah Ryan	Title: RET

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the bunker is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 02-34-01, INSTRUMENT BUNKER**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		3	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 204\2011\10-2011 Inspection 02-34-01

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: Site is in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 10/24/11
Printed Name: Rebecca King	Title: PROT Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/4/11
Printed Name: Thomas A. Thiele (or designee)	

POST-CLOSURE INSPECTION CHECKLIST

CAU 204, STORAGE BUNKERS – CAS 03-34-01, UNDERGROUND BUNKER

Inspection Date and Time: 11/8/11 10:05

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?
2. Have the previous inspection reports been reviewed?
3. Were anomalies or trends detected on previous inspections?
4. Were maintenance or repair activities performed since the last inspection?

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the bunker is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES NO EXPLANATION (required if shaded box is checked)

- a. Have any posts been damaged or their anchoring weakened?
- b. Are all use restriction signs legible?
- c. Are any use restriction signs damaged or missing?
- d. How many damaged or missing signs need to be replaced?
- e. Are any use restriction signs down?
- f. How many down signs need to be re-hung?

2. Use-Restricted Area:

YES NO EXPLANATION (required if shaded box is checked)

- a. Is there evidence of human intrusion onto the site?

POST-CLOSURE INSPECTION CHECKLIST

CAU 204, STORAGE BUNKERS – CAS 03-34-01, UNDERGROUND BUNKER

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	☒	☐	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 204\2011\11-8-11 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations:	Site and signage in good condition. No issues		

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 11/8/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/22/11
Printed Name: Thomas A. Thiele (or designee)	

POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 05-18-02, CHEMICAL EXPLOSIVES STORAGE**

Inspection Date and Time: <u>11/14/11</u> <u>10:35</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/22/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 13 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	☐	<u>0</u>
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	☐	<u>0</u>
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 204, STORAGE BUNKERS -- CAS 05-18-02, CHEMICAL EXPLOSIVES STORAGE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
✓		
	4	
✓		File Location: S:\NTS\ER Share\Photos\2011\ CAU 204\ 11-14-2011 Inspections

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

File Location: S:\NTS\ER Share\Photos\2011\ CAU 204\ 11-14-2011 Inspections

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
	✓	
✓		
	✓	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Site in good condition. Waste drum outside fence appears to be empty. No other issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/14/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/28/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 204, STORAGE BUNKERS – CAS 05-33-01, KAY BLOCKHOUSE**

Inspection Date and Time: <u>11/8/11</u> <u>2:35 pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/22/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.*
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 11 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	<u>0</u>	
h. Do any Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 204, STORAGE BUNKERS – CAS 05-33-01, KAY BLOCKHOUSE

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

YES NO

✓

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation: YES NO EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 204\11-8-11 inspections

E. FIELD CONCLUSIONS

YES NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

4. Field Conclusions/Recommendations: Site, fencing and signage are in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

**CAU 254: AREA 25 R-MAD DECONTAMINATION
FACILITY**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 254, AREA 25 R-MAD DECONTAMINATION FACILITY – CAS 25-23-06, DECONTAMINATION FACILITY

Inspection Date and Time: 12/19/11 3:05	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Proj Mgr
Assistant Inspector: Mike Floyd	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		0	
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 254, AREA 25 R-MAD DECONTAMINATION FACILITY –
CAS 25-23-06, DECONTAMINATION FACILITY

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES NO EXPLANATION

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

File Location: SANTSAER Share\Photos\CAU 254\ 2011
12-19-2011 Inspection

E. FIELD CONCLUSIONS

YES NO EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Signage and site are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

**CAU 261: AREA 25 TEST CELL A
LEACHFIELD SYSTEM**

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POST-CLOSURE INSPECTION CHECKLIST**CAU 261, AREA 25 TEST CELL A LEACHFIELD SYSTEM – CAS 25-05-01, LEACHFIELD**

Inspection Date and Time: <u>12/20/11</u> <u>10:15</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/15/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Proj. Mgr</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super.</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
☒	☐	
☒	☐	
☐	☒	
☐	☒	

- Has the Post-Closure Plan been reviewed?
- Have the previous inspection reports been reviewed?
- Were anomalies or trends detected on previous inspections?
- Were maintenance or repair activities performed since the last inspection?

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?		<u>0</u>	
f. Are any use restriction signs down?	☒		<u>2 signs loose at corner</u>
g. How many down signs need to be re-hung?		<u>2</u>	<u>2 loose end</u>
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 261, AREA 25 TEST CELL A LEACHFIELD SYSTEM – CAS 25-05-01, LEACHFIELD

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 261\ 2011\ 12-20-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Refasten signs
4. Field Conclusions/Recommendations: 2 UR signs with loose corners to refasten. Fence and rest of signage and enclosure in good condition.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 12/20/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 1/3/2012	
Printed Name: Thomas A. Thiele (or designee)			

CAU 262: AREA 25 SEPTIC SYSTEMS AND UDP

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POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-02-06, UNDERGROUND STORAGE TANK

Inspection Date and Time: 12/20/11 10:35	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Proj Mgr
Assistant Inspector: Mike Floyd	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	sign maintenance

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Is either of the 2 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	6	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-02-06, UNDERGROUND STORAGE TANK

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

YES

NO

EXPLANATION

✓
RAK 12/20/11
21

RAK 12/20/11

File Location: S:\NTS\ER Share\ CAU 262\ 2011\ 12-20-2011 Inspection

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations:

The site and signage are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/20/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-05-03, LEACHFIELD

Inspection Date and Time: 12/19/11 3:20	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: RAF Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	
a. If yes, has site repair resulted in a change from as-built conditions?	☐	☒	NA
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?	☐	☒	NA

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☒		3 signs down N, W + S

POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-05-03, LEACHFIELD

g. How many down signs need to be re-hung?	3		
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?		✓	
2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?	3		
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\ CAU 262 \2011\ 2011/12-19-2011 Inspection RAR 12/19/11

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?	✓		
4. Is there an imminent hazard to the integrity of the cover?		✓	

5. Field Conclusions/Recommendations: 3 signs down requiring re-hanging. May need to redrill holes at corner. No other issues with the site. Cover + fencing in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-05-08, RADIOACTIVE LEACHFIELD

Inspection Date and Time: 12/20/11 1:35	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca Kung	Title: Proj Mgr
Assistant Inspector: Mike Flogstad	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		sign re-hung
a. If yes, has site repair resulted in a change from as-built conditions?			NA ✓
b. If yes (to 4a), are revised as-built plans available that reflect repair changes?			NA ✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?		✓	
b. Have any posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		NA 12/20/11
d. Are any use restriction signs damaged or missing?	✓		Replace older sign which is down
e. How many damaged or missing signs need to be replaced?		01	
f. Are any use restriction signs down?		1	

POST-CLOSURE INSPECTION CHECKLIST

CAU 262, AREA 25 SEPTIC SYSTEMS AND UDP – CAS 25-05-08, RADIOACTIVE LEACHFIELD

g. How many down signs need to be re-hung?		1	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?		✓	
2. Waste Unit Cover:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of settling?		✓	
b. Is there evidence of erosion (wind or water)?		✓	
c. Is there evidence of human intrusion onto the site?		✓	
d. Is there evidence of large animal intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\VER Share\Photos\CAU 262\2011\12-20-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	RAK 12/20/11
4. Is there an imminent hazard to the integrity of the cover?	✓		Rehang 1 sign Replace
5. Field Conclusions/Recommendations: One sign is down and is older without red warning and should be replaced. No other issues.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 12/20/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/ Reed J. Poderis for TAT		Date: 1/3/2012	
Printed Name: Thomas A. Thiele (or designee)			

CAU 309: AREA 12 MUCKPILES

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POST-CLOSURE INSPECTION CHECKLIST

**CAU 309, AREA 12 MUCKPILES – CAS 12-06-09, MUCKPILE,
CAS 12-08-02, CONTAMINATED WASTE DUMP (CWD), AND CAS 12-28-01, I, J, AND K-TUNNEL DEBRIS**

Inspection Date and Time: <u>10/19/11</u> <u>3:00pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>10/11/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Sarah Ryan</u>	Title: <u>RCT</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- **ER SKD66 key to access the sites**
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- **Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Areas is not required for the inspection.** The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (CAS 12-06-09):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 3 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	<u>0</u>	
g. Do any Contamination Area or Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 309, AREA 12 MUCKPILES – CAS 12-06-09, MUCKPILE,
CAS 12-08-02, CONTAMINATED WASTE DUMP (CWD), AND CAS 12-28-01, I, J, AND K-TUNNEL DEBRIS

2. Use-Restricted Area (CAS 12-06-09):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
3. Site Markers (CAS 12-08-02):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Is either of the 2 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
g. Do any Contamination Area signs need to be replaced or re-hung?		✓	
4. Use-Restricted Area (CAS 12-08-02):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
5. Site Markers (CAS 12-28-01):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any of the 4 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
g. Do any Contamination Area signs need to be replaced or re-hung?		✓	
6. Use-Restricted Area (CAS 12-28-01):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
Photograph Instructions:			
<ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
7. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 309\2011\ 10-2011 Inspections, CAS 12-28-01, 06-09, 08-02.

POST-CLOSURE INSPECTION CHECKLIST

CAS 309, AREA 12 MUCKPILES – CAS 12-06-09, MUCKPILE,
CAS 12-08-02, CONTAMINATED WASTE DUMP (CWD), AND CAS 12-28-01, I, J, AND K-TUNNEL DEBRIS

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Field Conclusions/Recommendations: <u>Site, posts and signage are in good condition.</u>			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 10/19/11	
Printed Name: Rebecca King		Title: PROTECT MANAGER	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 11/4/11	
Printed Name: Thomas A. Thiele (or designee)			

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**CAU 322: AREAS 1 & 3 RELEASE SITES
AND INJECTION WELLS**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 322, AREAS 1 & 3 RELEASE SITES AND INJECTION WELLS – CAS 03-20-05, INJECTION WELLS

Inspection Date and Time: <u>11/8/11</u> <u>11:10</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/1/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Supervisor</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?	✓		<u>Signs re-hung</u>

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?		✓	
b. Have any posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		
d. Are any use restriction signs damaged or missing?		✓	
e. How many damaged or missing signs need to be replaced?	0		
f. Are any use restriction signs down?		✓	
g. How many down signs need to be re-hung?	0 + RAK	11/8/11	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 322, AREAS 1 & 3 RELEASE SITES AND INJECTION WELLS – CAS 03-20-05, INJECTION WELLS

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 322\2011\11-8-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	

4. Field Conclusions/Recommendations: Fence, site, and signage in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: <u>/s/: Rebecca King</u>	Date: <u>11/8/11</u>
Printed Name: <u>Rebecca King</u>	Title: <u>Project Manager</u>

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: <u>/s/: Reed J. Poderis for TAT</u>	Date: <u>11/22/11</u>
Printed Name: <u>Thomas A. Thiele (or designee)</u>	

CAU 333: U-3auS DISPOSAL SITE

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POST-CLOSURE INSPECTION CHECKLIST

CAU 333, U-3auS DISPOSAL SITE – CAS 03-16-01, U-3auS DISPOSAL SITE

Inspection Date and Time: 11/8/11	Reason for Inspection: Annual 5-YR
Date of Last Post-Closure Inspection: 11/1/10	Reason for Last Post-Closure Inspection: BMP
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the gate?	☐	☒	
b. Is the gate lock in place and functional?	☒	☐	
c. Is there damage to the fence?	☒	☐	Wire rope strand down for about 200 yds on N and S ends
d. Have any of the 9 monuments been damaged?	☐	☒	
e. Have any posts been damaged or their anchoring weakened?	☐	☒	
f. Are all use restriction signs legible?	☒	☐	
g. Are any of the 15 use restriction signs damaged or missing?	☐	☒	
h. How many damaged or missing signs need to be replaced?	☐	☒	0

POST-CLOSURE INSPECTION CHECKLIST

CAU 333, U-3auS DISPOSAL SITE – CAS 03-16-01, U-3auS DISPOSAL SITE

i. Are any use restriction signs down?

✓

j. How many down signs need to be re-hung?

0

2. Use-Restricted Area:

YES

NO

EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

✓

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES

NO

EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

4

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 333\ 2011-11-8-11 Inspection

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

RJK 11/8/11

Wire rope stands to tighten.

4. Field Conclusions/Recommendations: Gate, lock, monuments, signage and posts all in good condition. Wire rope stands down for about 200ft on N and 200ft on S.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

CAU 357: MUD PITS AND WASTE DUMP

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POST-CLOSURE INSPECTION CHECKLIST

CAU 357, MUD PITS AND WASTE DUMP – CAS 04-26-03, LEAD BRICKS

Inspection Date and Time: 11/1/11 2:10

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/9/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Sarah Ryan

Title: RET

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?
2. Have the previous inspection reports been reviewed?
3. Were anomalies or trends detected on previous inspections?
4. Were maintenance or repair activities performed since the last inspection?

YES NO
☒ ☐
☒ ☐
☐ ☒
☐ ☒

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Check in at the BEEF office prior to the inspection.
- Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Radioactive Material Area that surrounds the site is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers: YES NO EXPLANATION (required if shaded box is checked)

- a. Have any sign posts been damaged or their anchoring weakened?
- b. Are all use restriction signs legible?
- c. Are any use restriction signs damaged or missing?
- d. How many damaged or missing signs need to be replaced?
- e. Are any use restriction signs down?
- f. How many down signs need to be re-hung?

YES NO
☐ ☒
☒ ☐
☐ ☒
☐ 0
☐ ☒
☐ 0

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

- a. Is there evidence of human intrusion onto the site?

YES NO
☐ ☒

POST-CLOSURE INSPECTION CHECKLIST

CAU 357, MUD PITS AND WASTE DUMP – CAS 04-26-03, LEAD BRICKS

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES NO EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 357\2011_____
11-1-11 Inspection

E. FIELD CONCLUSIONS

YES NO EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

4. Field Conclusions/Recommendations: Site is in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11-1-11

Printed Name:

Rebecca King

Title:

Project Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/14/2011

Printed Name: Thomas/A./Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 357, MUD PITS AND WASTE DUMP – CAS 10-09-06, MUD PIT; STAINS; MATERIAL**Inspection Date and Time: 11/1/11 2:10 pmReason for Inspection: AnnualDate of Last Post-Closure Inspection: 10/25/10Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca KingTitle: Project ManagerAssistant Inspector: Sarah RyanTitle: RCI**A. GENERAL INSTRUCTIONS**

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers: YES NO EXPLANATION (required if shaded box is checked)

a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	<u>0</u>		
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	<u>0</u>		

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 357, MUD PITS AND WASTE DUMP – CAS 10-09-06, MUD PIT; STAINS; MATERIAL

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES

NO

EXPLANATION

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\ Photos\CAU 357\2011\

11-1-11 Inspection

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

☒
☒

2. Are existing maintenance/repair actions satisfactory?

☒
☒

3. Are maintenance/repair actions necessary?

☒
☒

4. Field Conclusions/Recommendations: Site, signage, and fence in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/1/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/14/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 357, MUD PITS AND WASTE DUMP – CAS 25-15-01, WASTE DUMP**

Inspection Date and Time: <u>12/19/11</u> <u>2:35</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/15/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Proj. Mgr</u>
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super.</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any monuments been damaged?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		<u>0</u>	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 357, MUD PITS AND WASTE DUMP – CAS 25-15-01, WASTE DUMP**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 357\2011\12-19-11 Inspection 2515-01

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	
4. Field Conclusions/Recommendations: <u>Site is in good condition. No issues</u>			

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 12-19-11Printed Name: Rebecca KingTitle: Proj Mgr**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

**CAU 528: POLYCHLORINATED BIPHENYLS
CONTAMINATION**

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POST-CLOSURE INSPECTION CHECKLIST			
CAU 528, POLYCHLORINATED BIPHENYLS CONTAMINATION – CAS 25-27-03, POLYCHLORINATED BIPHENYLS SURFACE CONTAMINATION			
Inspection Date and Time: <u>12/19/11 1:15</u>	Reason for Inspection: <u>Annual</u>		
Date of Last Post-Closure Inspection: <u>11/15/10</u>	Reason for Last Post-Closure Inspection:		
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada			
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project			
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>		
Assistant Inspector: <u>Mike Floyd</u>	Title: <u>Field Super</u>		
A. GENERAL INSTRUCTIONS <ul style="list-style-type: none"> • Complete all checklist items. • If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information. • All documentation must be legible and clear. 			
B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	
C. SITE INSPECTION PREPARATION Assemble the following, as needed, to conduct inspections: <ul style="list-style-type: none"> • <i>ER SKD66 key to access the Test Cell C Facility</i> • <i>Contact RadCon for RCT requirements</i> • Radio, pager, etc. • Previous letter report, inspection checklists, repair records, and as-built plans • Camera, digital storage drive, extra batteries, and other miscellaneous support equipment 			
D. SITE INSPECTION <ul style="list-style-type: none"> • <i>The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.</i> The checklist should be completed during the site inspection. • If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection. • Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions. 			
1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☒	☐	<u>1 T post down</u>
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
e. Are any use restriction signs down?	☒	☐	<u>3 signs down and 3 with loose corners</u>
f. How many down signs need to be re-hung?	☐	<u>6</u>	

POST-CLOSURE INSPECTION CHECKLIST			
CAU 528, POLYCHLORINATED BIPHENYLS CONTAMINATION – CAS 25-27-03, POLYCHLORINATED BIPHENYLS SURFACE CONTAMINATION			
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	☐	☐	10
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 528\ 2011\ 12-19-11 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Repair detail in E.4 below
4. Field Conclusions/Recommendations: 3 signs down and another 3 with loose corners - 1 sign T-post needs re-anchoring, 1 large burrow to avoid when doing repairs. Rest of site in good condition			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 12/19/11	
Printed Name: Rebecca King		Title: Proj MGR	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete			
Signature: /s/ Reed J. Poderis for TAT		Date: 1/3/2012	
Printed Name: Thomas A. Thiele (or designee)			

CAU 529: AREA 25 CONTAMINATED MATERIALS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 529, AREA 25 CONTAMINATED MATERIALS – CAS 25-23-17, CONTAMINATED WASH PARCELS E & H

Inspection Date and Time: 12/19/11 1:50	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/15/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Proj Mgr
Assistant Inspector: Mike Floyd	Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Fence and sign repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the Test Cell C Facility
- Contact RadCon for RCT requirements
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (Parcel E):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence and fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☒	☐	2 signs inside TCC fence missing
e. How many damaged or missing signs need to be replaced?		2	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?		0	

POST-CLOSURE INSPECTION CHECKLIST

CAU 529, AREA 25 CONTAMINATED MATERIALS – CAS 25-23-17, CONTAMINATED WASH PARCELS E & H

2. Use-Restricted Area (Parcel E):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
3. Site Markers (Parcel H):	YES	NO	EXPLANATION (required if shaded box is checked)
h. Is there damage to the fence?	☒	☐	
i. Have any posts been damaged or their anchoring weakened?	☒	☐	
j. Are all use restriction signs legible?	☐	☒	
k. Are any use restriction signs damaged or missing?	☒	☐	
l. How many damaged or missing signs need to be replaced?	0		
m. Are any use restriction signs down?	☒	☐	
n. How many down signs need to be re-hung?	0		
4. Use-Restricted Area (Parcel H):	YES	NO	EXPLANATION (required if shaded box is checked)
b. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
5. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	1		
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 529\ 2011 12-19-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Replace 2 signs
4. Field Conclusions/Recommendations: 2 signs missing on parcel E. Rest of site in good condition			

POST-CLOSURE INSPECTION CHECKLIST**CAU 529, AREA 25 CONTAMINATED MATERIALS – CAS 25-23-17, CONTAMINATED WASH
PARCELS E & H****F. CERTIFICATION:** I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 12/19/11Printed Name: Rebecca King 0Title: Proj Mgr**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

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CAU 539: AREAS 25 AND 26 RAILROAD TRACKS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 539, AREAS 25 AND 26 RAILROAD TRACKS – CAS 25-99-21, AREA 25 RAILROAD TRACKS

Inspection Date and Time: 12/19/11 2pm Reason for Inspection: Annual

Date of Last Post-Closure Inspection: NA Reason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Proj Mgr

Assistant Inspector: Mike Floyd Title: Field Super.

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Pre-arrange access to the portion of the site located in the Engine Test Stand through the OCC at least 1 week prior to the inspection
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 99 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 539, AREAS 25 AND 26 RAILROAD TRACKS – CAS 25-99-21, AREA 25 RAILROAD TRACKS**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☒	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 539\ 2011\ 12-19-2011 Inspection 25-99-01

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Signage is in good condition. No issues.**F. CERTIFICATION:** I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 12/19/11Printed Name: Rebecca KingTitle: Proj Mgr**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 1/3/2011Printed Name: Thomas A. Thiele (or designee)

CAU 542: DISPOSAL HOLES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-07, UD-3a DISPOSAL HOLE

Inspection Date and Time: 11/8/11 10:10

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
☒	☐	
☒	☐	
☐	☒	
☐	☒	

1. Has the Post-Closure Plan been reviewed?

2. Have the previous inspection reports been reviewed?

3. Were anomalies or trends detected on previous inspections?

4. Were maintenance or repair activities performed since the last inspection?

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	
☐	☐	0
☐	☒	
☐	☐	0

a. Have any posts been damaged or their anchoring weakened?

b. Are all use restriction signs legible?

c. Are any of the 4 use restriction signs damaged or missing?

d. How many damaged or missing signs need to be replaced?

e. Are any use restriction signs down?

f. How many down signs need to be re-hung?

2. Use-Restricted Area:

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	

a. Is there evidence of human intrusion onto the site?

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-07, UD-3a DISPOSAL HOLE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 542\2011\11-8-11 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: Site and signage are in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-09, UD-3b DISPOSAL HOLE

Inspection Date and Time: 11/8/11 10:15 am

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	1 sign replaced

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-09, UD-3b DISPOSAL HOLE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☐	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 542\11-8-2011 Inspection

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations:

Site and signage in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Prog Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-10, UD-3c DISPOSAL HOLE

Inspection Date and Time: 11/8/11 9:40	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/1/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Signs replaced

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-10, UD-3c DISPOSAL HOLE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
✓		
✓		File Location: S:\NTS\VER Share\Photos\CAU 542 2011 11-8-11 Inspections

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
	✓	
✓		
	✓	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations:

Site and signage in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 03-20-11, UD-3d DISPOSAL HOLE

Inspection Date and Time: 11/8/11 10:20	Reason for Inspection: Annual		
Date of Last Post-Closure Inspection: 11/1/10	Reason for Last Post-Closure Inspection: Annual		
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada			
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project			
Chief Inspector: Rebecca King	Title: Project Manager		
Assistant Inspector: Mike Floyd	Title: Field Supervisor		
A. GENERAL INSTRUCTIONS <ul style="list-style-type: none"> Complete all checklist items. If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information. All documentation must be legible and clear. 			
B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	
C. SITE INSPECTION PREPARATION			
Assemble the following, as needed, to conduct inspections: <ul style="list-style-type: none"> Radio, pager, etc. Previous letter report, inspection checklists, repair records, and as-built plans Camera, digital storage drive, extra batteries, and other miscellaneous support equipment 			
D. SITE INSPECTION			
<ul style="list-style-type: none"> The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection. If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection. Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions. 			
1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 542, DISPOSAL HOLES – CAS 03-20-11, UD-3d DISPOSAL HOLE**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☐	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 542\2011\11-8-2011 Inspections

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Site and signage are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 11/8/11Printed Name: Rebecca KingTitle: Project Manager**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 06-20-03, UD-6 AND UD-6s DISPOSAL HOLES

Inspection Date and Time: 11/8/11 10:50

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Super.

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	Sign replaced

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

2. Use-Restricted Area:

	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 542, DISPOSAL HOLES – CAS 06-20-03, UD-6 AND UD-6s DISPOSAL HOLES

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 542 \2011\ 11-8-11 inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: Site and signage in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Project Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

CAU 543: LIQUID DISPOSAL UNITS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 543, LIQUID DISPOSAL UNITS – CAS 06-07-01, DECON PAD

Inspection Date and Time: 11/8/11 2:05pm Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/9/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: Mike Flogd Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the site
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	One wire rope stand down at NW corner
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 9 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing use restriction signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down use restriction signs need to be re-hung?	☐	0	
h. Are all PCB signs legible (including written information on bottom two lines)?	☒	☐	
i. Are any of the 9 PCB signs damaged or missing?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 543, LIQUID DISPOSAL UNITS – CAS 06-07-01, DECON PAD

j. How many damaged or missing PCB signs need to be replaced?	0		
k. Are any PCB signs down?	☒		
l. How many down PCB signs need to be re-hung?	0		
m. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒		
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒		
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒		
If yes, how many photos were taken?	2		
If yes, has a photographic log been prepared?	☒		File Location: S:\NTS\ER Share\Photos\CAU 543\2011\11-8-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒		
2. Are existing maintenance/repair actions satisfactory?	☒		
3. Are maintenance/repair actions necessary?	☒		One wire rope strand to repair
4. Field Conclusions/Recommendations: One wire rope strand down at NW corner of fence. Rest of site & signage in good condition.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 11/8/11	
Printed Name: Rebecca King		Title: Proj Mgr	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 11/22/11	
Printed Name: Thomas A. Thiele (or designee)			

POST-CLOSURE INSPECTION CHECKLIST

CAU 543, LIQUID DISPOSAL UNITS -

CAS 15-01-03, ABOVEGROUND STORAGE TANK, AND CAS 15-23-03, CONTAMINATED SUMP, PIPING

Inspection Date and Time: 10/27/11 2:35 pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 10/25/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: PROTECT Manager

Assistant Inspector: Scott Roberts

Title: RCT

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

✓

2. Have the previous inspection reports been reviewed?

✓

3. Were anomalies or trends detected on previous inspections?

✓

4. Were maintenance or repair activities performed since the last inspection?

✓

Fence repair at 15-01-03 + PCB signs replaced

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted areas is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (CAS 15-01-03, Building 15-06 Pad):

YES NO EXPLANATION (required if shaded box is checked)

a. Is there damage to the fence?

✓

lower wire stand down on south

b. Have any posts been damaged or their anchoring weakened?

✓

c. Are all use restriction signs legible?

✓

d. Are any of the 4 use restriction signs damaged or missing?

✓

e. How many damaged or missing use restriction signs need to be replaced?

0

f. Are any use restriction signs down?

✓

g. How many down use restriction signs need to be re-hung?

0

h. Are all PCB signs legible (including written information on bottom two lines)?

✓

i. Are any of the 4 PCB signs damaged or missing?

0

POST-CLOSURE INSPECTION CHECKLIST**CAU 543, LIQUID DISPOSAL UNITS –
CAS 15-01-03, ABOVEGROUND STORAGE TANK, AND CAS 15-23-03, CONTAMINATED SUMP, PIPING**

j. How many damaged or missing PCB signs need to be replaced?	0		
k. Are any PCB signs down?	☒	✓	
l. How many down PCB signs need to be re-hung?	0		
2. Use-Restricted Area (CAS 15-01-03, Building 15-06 Pad):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	✓	
3. Site Markers (CAS 15-01-03, Underground Piping):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☒	✓	
b. Are all use restriction signs legible?	✓	☒	
c. Are any of the 16 use restriction signs damaged or missing?	☒	✓	
d. How many damaged or missing use restriction signs need to be replaced?	0		
e. Are any use restriction signs down?	☒	✓	
f. How many down use restriction signs need to be re-hung?	0		
g. Are all PCB signs legible (including written information on bottom two lines)?	✓	☒	
h. Are any of the 16 PCB signs damaged or missing?	☒	✓	
i. How many damaged or missing PCB signs need to be replaced?	0		
j. Are any PCB signs down?	☒	✓	
k. How many down PCB signs need to be re-hung?	0		
l. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒		2 URMAs signs need to be re-hung
4. Use-Restricted Area (CAS 15-01-03, Underground Piping):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	✓	
5. Site Markers (CAS 15-23-03):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☒	✓	
b. Are all use restriction signs legible?	✓	☒	
c. Are any of the 5 use restriction signs damaged or missing?	☒	✓	
d. How many damaged or missing use restriction signs need to be replaced?	0		
e. Are any use restriction signs down?	☒	✓	
f. How many down use restriction signs need to be re-hung?	0		
g. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒	✓	
6. Use-Restricted Area (CAS 15-23-03):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	✓	

POST-CLOSURE INSPECTION CHECKLIST

**CAU 543, LIQUID DISPOSAL UNITS –
CAS 15-01-03, ABOVEGROUND STORAGE TANK, AND CAS 15-23-03, CONTAMINATED SUMP, PIPING**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

7. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?	7		
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 543\2011\10-2011 inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?	✓		Fence and sign repair
4. Field Conclusions/Recommendations: 1 wire rope strand around building pad requires repair. 2 ULMA signs with loose corners @ underground piping. Rest of site in good condition.			

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/27/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11-7-11

Printed Name: Thomas A. Thiele (or designee)

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CAU 544: CELLARS, MUD PITS, AND OIL SPILLS

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POST-CLOSURE INSPECTION CHECKLIST**CAU 544, CELLARS, MUD PITS, AND OIL SPILLS – CAS 20-25-04, OIL SPILLS**

Inspection Date and Time: <u>10/18/11</u> <u>10:50</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>NA</u>	Reason for Last Post-Closure Inspection: <u>NA</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Randy Trough</u>	Title: <u>Labover</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	<u>This is the 1st annual inspection.</u>
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	<u>2 posts and wire are down on the SW</u>
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 12 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	<u>0</u>	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 544, CELLARS, MUD PITS, AND OIL SPILLS – CAS 20-25-04, OIL SPILLS

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
	☒	
☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 544\2011\10-18-2011 CAS 20-25-04

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☒	☐	Fence Repair

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations:

2 fence posts and associated wire rope are down on SW fence. The UL crater signs are in good condition. No other issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/18/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/4/2011

Printed Name: Thomas A. Thiele (or designee)

**CAU 545: DUMPS, WASTE DISPOSAL SITES,
AND BURIED RADIOACTIVE MATERIALS**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 545, DUMPS, WASTE DISPOSAL SITES, AND BURIED RADIOACTIVE MATERIALS --
CAS 03-08-03, MUD DISPOSAL SITE

Inspection Date and Time: 11/8/11 10:20

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	20ft section of fence wire down on West.
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☐	☒	5 signs badly faded (1 is RAK 11/8/11 inside CA)
d. Are any of the 14 use restriction signs damaged or missing?	☒	☐	
e. How many damaged or missing use restriction signs need to be replaced?	☐	5	faded (see 1.c above)
f. Are any use restriction signs down?	☐	☒	
g. How many down use restriction signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 545, DUMPS, WASTE DISPOSAL SITES, AND BURIED RADIOACTIVE MATERIALS –
CAS 03-08-03, MUD DISPOSAL SITE

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 545\2011\11-8-11 Inspections

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	replace 5 faded signs and repair wire rope
4. Field Conclusions/Recommendations: 5 UR signs are ^{RAK 11/8/11} badly faded and require replacement (1 is in the CA). 20ft of wire rope needs repair. Rest of site and signage in good condition.			

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name:

Rebecca King

Title:

Proj. Mgr.

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 545, DUMPS, WASTE DISPOSAL SITES, AND BURIED RADIOACTIVE MATERIALS – CAS 03-23-05, EUROPIUM DISPOSAL SITE

Inspection Date and Time: 11/8/11 9:50	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 11/1/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Mike Floyd	Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced areas is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (Northwestern Fenced Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☐	☒	2 signs faded
d. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing use restriction signs need to be replaced?	☐	2	
f. Are any use restriction signs down?	☐	☒	
g. How many down use restriction signs need to be re-hung?	☐	0	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	
2. Use-Restricted Area (Northwestern Fenced Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 545, DUMPS, WASTE DISPOSAL SITES, AND BURIED RADIOACTIVE MATERIALS –
CAS 03-23-05, EUROPIUM DISPOSAL SITE

3. Site Markers (Southern Fenced Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☒	
b. Have any posts been damaged or their anchoring weakened?	☒	☒	
c. Are all use restriction signs legible?	☐	☒	one sign badly faded
d. Are any of the 3 use restriction signs damaged or missing?	☒	☒	
e. How many damaged or missing use restriction signs need to be replaced?		1	
f. Are any use restriction signs down?	☒	☒	
g. How many down use restriction signs need to be re-hung?		0	
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒	☒	
4. Use-Restricted Area (Southern Fenced Area):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
5. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		3	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\ Photos\ CAU 545\ 2011-8-11 Inspections
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☐	Sign Repair/Replacement
4. Field Conclusions/Recommendations: 2 signs on northern fenced area and 1 on southern fenced area are faded, requiring replacement. Fencing, URMAT signs and rest of UR signs in good condition.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 11/8/11	
Printed Name: Rebecca King		Title: Project Manager	

POST-CLOSURE INSPECTION CHECKLIST**CAU 545, DUMPS, WASTE DISPOSAL SITES, AND BURIED RADIOACTIVE MATERIALS –
CAS 03-23-05, EUROPIUM DISPOSAL SITE****G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: **/s/: Reed J. Poderis for TAT**Date: **11/22/11**

Printed Name: Thomas A. Thiele (or designee)

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**CAU 546: INJECTION WELL AND SURFACE
RELEASES**

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POST-CLOSURE INSPECTION CHECKLIST**CAU 546, INJECTION WELL AND SURFACE RELEASES – CAS 09-20-01, INJECTION WELL**

Inspection Date and Time: <u>10/27/11</u> <u>2:45 pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>NA</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Scott Roberts</u>	Title: <u>RCT</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		<u>0</u>	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 546, INJECTION WELL AND SURFACE RELEASES – CAS 09-20-01, INJECTION WELL

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
☒	☐	
☐	☐	
☒	☐	File Location: S:\NTS\ER Share\Photos\2011\CAU 546\10-2011 Inspection

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

File Location: S:\NTS\ER Share\Photos\2011\CAU 546\10-2011 Inspection

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
☐	☒	
☒	☐	
☐	☒	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Site and signage in good condition
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/27/11

Printed Name:

Title:

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/7/11

Printed Name: Thomas A. Thiele (or designee)

CAU 551: AREA 12 MUCKPILES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 551, AREA 12 MUCKPILES – CAS 12-01-09, ABOVEGROUND STORAGE TANK AND STAIN, CAS 12-06-05, U-12b MUCKPILE, CAS 12-06-07, MUCKPILE, AND CAS 12-06-08, MUCKPILE

Inspection Date and Time: 11/14/11 2:15pm Reason for Inspection: Annual
 Date of Last Post-Closure Inspection: 10/11/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: Mike Floyd Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	<u>sign and post repair</u>

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- *ER SKD66 key to access the sites*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☐	☒	<u>4 signs faded</u>
c. Are any of the 13 use restriction signs damaged or missing?	☒	☐	<u>1 sign missing</u>
d. How many damaged or missing signs need to be replaced?	☐	☐	<u>5</u>
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	☐	<u>0</u>
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 551, AREA 12 MUCKPILES – CAS 12-01-09, ABOVEGROUND STORAGE TANK AND STAIN,
CAS 12-06-05, U-12b MUCKPILE, CAS 12-06-07, MUCKPILE, AND CAS 12-06-08, MUCKPILE

3. Adjacent Offsite Features:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Are both runoff diversion berms in place and functioning as designed?	☒	☐	
b. Is there evidence of erosion (wind or water) or other damage to the berms?	☐	☒	
c. Is there evidence of sediment migrating past the E-Tunnel turnoff culvert or across the access road?	☐	☒	
d. Is there evidence of erosion (wind or water) or other damage to the E-Tunnel turnoff culvert or access road?	☒	☐	minor water erosion to access road however berm + culvert are functioning properly

Photograph Instructions:

- Photographs are **REQUIRED** to document whether there is visible evidence of sediment migrating past the E-Tunnel turnoff culvert.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

4. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		5	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 551\2011 11-14-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	replace 5 signs

4. Field Conclusions/Recommendations: 4 signs faded requiring replacement, and 1 sign missing. Berms + culvert functioning well. Minor water erosion to access road due to run off down road. No repair required at this time. Recommend checking in Spring.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 11/14/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/20/11
Printed Name: Thomas A. Thiele (or designee)	

CAU 552: AREA 12 MUCKPILE AND PONDS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 552, AREA 12 MUCKPILE AND PONDS – CAS 12-23-05, PONDS

Inspection Date and Time: 10/18/11 1420	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/11/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Randy Trough	Title: Laborer

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Check in at the G-Tunnel office prior to the inspection.
- Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

I. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☒	☐	1 sign has a loose corner.
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 552, AREA 12 MUCKPILE AND PONDS – CAS 12-23-05, PONDS

i. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☒	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☒	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 552\2011\10-18-11 Inspection CAS 12-23-05
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☐	Reattach sign
4. Field Conclusions/Recommendations: Site in good condition except one UR sign has a loose corner to reattach.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 10/18/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/ Reed J. Poderis for TAT		Date: 11/3/2011	
Printed Name: Thomas A. Thiele (or designee)			

CAU 554: AREA 23 RELEASE SITE

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POST-CLOSURE INSPECTION CHECKLIST**CAU 554, AREA 23 RELEASE SITE – CAS 23-02-08, USTs 23-115-1,2,3/SPILL 530-90-002**

Inspection Date and Time: <u>12/12/11</u> <u>8:35am</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>11/22/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>NA</u>	Title:

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?		<u>0</u>	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		<u>0</u>	
g. Are both brass plates intact and readable?	☒	☐	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 554, AREA 23 RELEASE SITE – CAS 23-02-08, USTs 23-115-1,2,3/SPILL 530-90-002

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES NO EXPLANATION

✓

If yes, how many photos were taken?

2

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 554\ 2011\ 12-12-2011 Inspection

E. FIELD CONCLUSIONS

YES NO EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

YES

NO

✓

2. Are existing maintenance/repair actions satisfactory?

✓

YES

NO

3. Are maintenance/repair actions necessary?

YES

NO

✓

4. Field Conclusions/Recommendations:

Site and signage in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/12/2011

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 12/14/11

Printed Name: Thomas A. Thiele (or designee)

CAU 560: SEPTIC SYSTEMS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 560, SEPTIC SYSTEMS – CAS 06-05-03, LEACH PIT, AND CAS 06-05-04, LEACH BED

Inspection Date and Time: 11/8/11 3pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/9/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca Ring

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any use restriction signs damaged or missing?	☒	☐	2 signs down on 06-05-04 (1 damaged and 1 missing)
d. How many damaged or missing signs need to be replaced?		2	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?		0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 560, SEPTIC SYSTEMS – CAS 06-05-03, LEACH PIT, AND CAS 06-05-04, LEACH BED

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES NO EXPLANATION

✓

If yes, how many photos were taken?

4

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 560\2011\11-8-2011 Inspection

E. FIELD CONCLUSIONS

YES NO EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

2 signs need to be replaced

4. Field Conclusions/Recommendations: 2 signs blown off single posts. Replace with double post and anchors. Rest of site in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/8/11

Printed Name: Rebecca King

Title: Proj. mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/22/11

Printed Name: Thomas A. Thiele (or designee)

CAU 561: WASTE DISPOSAL AREAS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 561, WASTE DISPOSAL AREAS – CAS 02-08-02, WASTE DUMP AND BURN AREA

Inspection Date and Time: 10/24/11 11:00

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: NA

Reason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Sarah Ryan

Title: RCT

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES

NO

EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

✓

2. Have the previous inspection reports been reviewed?

✓

This is the first annual inspection

3. Were anomalies or trends detected on previous inspections?

✓

4. Were maintenance or repair activities performed since the last inspection?

✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire site including the perimeter and sufficient transects to be able to inspect the entire surface and all features specifically described in this checklist. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES

NO

EXPLANATION (required if shaded box is checked)

a. Have any sign posts been damaged or their anchoring weakened?

✓

b. Are all use restriction signs legible?

✓

c. Are any of the 10 use restriction signs damaged or missing?

✓

d. How many damaged or missing signs need to be replaced?

0

e. Are any use restriction signs down?

✓

f. How many down signs need to be re-hung?

0

2. Use-Restricted Area:

YES

NO

EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

✓

POST-CLOSURE INSPECTION CHECKLIST**CAU 561, WASTE DISPOSAL AREAS – CAS 02-08-02, WASTE DUMP AND BURN AREA**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES	NO	EXPLANATION
✓		
	1	
✓		File Location: S:\NTS\ER Share\Photos\CAU 561\2011\10-2011 CAS 02-08-02 Inspection

a. Have photographs been taken of the site?

If yes, how many photos were taken?

If yes, has a photographic log been prepared?

E. FIELD CONCLUSIONS

YES	NO	EXPLANATION (required if shaded box is checked)
	✓	
✓		
	✓	

1. Are more frequent inspections required?

2. Are existing maintenance/repair actions satisfactory?

3. Are maintenance/repair actions necessary?

4. Field Conclusions/Recommendations: Site and signage in good condition. No issues.**F. CERTIFICATION:** I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/24/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/4/11

Printed Name: Thomas A. Thiele (or designee)

CAU 566: EMAD COMPOUND

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POST-CLOSURE INSPECTION CHECKLIST

CAU 566, EMAD COMPOUND – CAS 25-99-20, EMAD COMPOUND

Inspection Date and Time: 12/19/11 11:35

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: -

Reason for Last Post-Closure Inspection: -

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Proj Mgr

Assistant Inspector: Mike Floyd

Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced EMAD Facility is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence and fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 566, EMAD COMPOUND – CAS 25-99-20, EMAD COMPOUND

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES NO EXPLANATION

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 566\ 2011\ 12-19-2011 Inspection 25-99-20

E. FIELD CONCLUSIONS

YES NO EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

4. Field Conclusions/Recommendations: Site in gd condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/19/11

Printed Name: Rebecca King

Title: Prog. Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2012

Printed Name: Thomas A. Thiele (or designee)

CAU 107: LOW IMPACT SOIL SITES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 107, LOW IMPACT SOIL SITES – CAS 03-23-29, TRUCHAS-CHAMISAL CONTAMINATION AREA

Inspection Date and Time: 11/8/11 11:55

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	T-post were reset and wire rope repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 4 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	☐	0
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	☐	0
h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 107, LOW IMPACT SOIL SITES – CAS 03-23-29, TRUCHAS-CHAMISAL CONTAMINATION AREA**

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\ Photos\CAU 107 2011 11-8-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	

4. Field Conclusions/Recommendations: Fencing, site, and signage are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 11/8/11Printed Name: Rebecca KingTitle: Project Manager**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 11/22/11Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 107, LOW IMPACT SOIL SITES – CAS 18-23-02, U-18d CRATER (SULKY)**Inspection Date and Time: 10/3/11 1:30Reason for Inspection: AnnualDate of Last Post-Closure Inspection: 10/13/10Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca KingTitle: Project ManagerAssistant Inspector: George JunielTitle: Sr. Scientist**A. GENERAL INSTRUCTIONS**

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES

NO

EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

✓

2. Have the previous inspection reports been reviewed?

✓

3. Were anomalies or trends detected on previous inspections?

✓

4. Were maintenance or repair activities performed since the last inspection?

✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Obtain 18-2c Gate key from OCC to access the site
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES

NO

EXPLANATION (required if shaded box is checked)

a. Is there damage to the fence?

✓

b. Have any posts been damaged or their anchoring weakened?

✓

c. Are all use restriction signs legible?

✓

d. Are any of the 6 use restriction signs damaged or missing?

✓

e. How many damaged or missing signs need to be replaced?

0

f. Are any use restriction signs down?

✓

g. How many down signs need to be re-hung?

0

h. wrong

✓

POST-CLOSURE INSPECTION CHECKLIST

CAU 107, LOW IMPACT SOIL SITES – CAS 18-23-02, U-18d CRATER (SULKY)

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 107 10-03-2011 Sulky

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: Site and fence and all postings in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/3/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 10/12/2011

Printed Name: Thomas A. Thiele (or designee)

CAU 365: BANEERRY CONTAMINATION AREA

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POST-CLOSURE INSPECTION CHECKLIST

CAU 365, BANE BERRY CONTAMINATION AREA – CAS 08-23-02, U-8d CONTAMINATION AREA

Inspection Date and Time: 11/1/11 10:15am	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: NA	Reason for Last Post-Closure Inspection: NA
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Sarah Ryan	Title: RET

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	This is the 1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	☐	☒	
b. Have any posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 14 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Contamination Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 365, BANEERRY CONTAMINATION AREA – CAS 08-23-02, U-8d CONTAMINATION AREA

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 365\2011\11-1-11 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	

4. Field Conclusions/Recommendations: Site, signage, and fence are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King Date: 11/1/11

Printed Name: Rebecca King Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT Date: 11/14/11

Printed Name: Thomas A. Thiele (or designee)

**CAU 367: AREA 10 SEDAN, ESS AND UNCLE UNIT
CRATERS**

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POST-CLOSURE INSPECTION CHECKLIST

CAU 367, AREA 10 SEDAN, ESS AND UNCLE UNIT CRATERS – CAS 10-45-01, U-10h CRATER (SEDAN), CAS 10-45-02, ESS CRATER SITE, AND CAS 10-45-03, UNCLE CRATER SITE

Inspection Date and Time: 10/27/11 10:50amReason for Inspection: AnnualDate of Last Post-Closure Inspection: NAReason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca KingTitle: Project ManagerAssistant Inspector: Scott RobertsTitle: RET**A. GENERAL INSTRUCTIONS**

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES

NO

EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

✓

2. Have the previous inspection reports been reviewed?

RAK

10/27/11

✓

This is the 1st Annual Inspection

3. Were anomalies or trends detected on previous inspections?

✓

4. Were maintenance or repair activities performed since the last inspection?

✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers (CAS 10-45-01):

YES

NO

EXPLANATION (required if shaded box is checked)

a. Have any posts been damaged or their anchoring weakened?

✓

b. Are all use restriction signs legible?

✓

c. Are any of the 21 use restriction signs damaged or missing?

✓

d. How many damaged or missing signs need to be replaced?

0

e. Are any use restriction signs down?

✓

f. How many down signs need to be re-hung?

0

g. Does the historical sign need to be replaced or re-hung?

✓

2. Use-Restricted Area (CAS 10-45-01):

YES

NO

EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?

✓

POST-CLOSURE INSPECTION CHECKLIST

CAU 367, AREA 10 SEDAN, ESS AND UNCLE UNIT CRATERS – CAS 10-45-01, U-10h CRATER (SEDAN), CAS 10-45-02, ESS CRATER SITE, AND CAS 10-45-03, UNCLE CRATER SITE

3. Site Markers (CAS 10-45-02):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any of the 5 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
4. Use-Restricted Area (CAS 10-45-02):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
5. Site Markers (CAS 10-45-03):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?		✓	
b. Are all use restriction signs legible?	✓		
c. Are any of the 5 use restriction signs damaged or missing?		✓	
d. How many damaged or missing signs need to be replaced?		0	
e. Are any use restriction signs down?		✓	
f. How many down signs need to be re-hung?		0	
6. Use-Restricted Area (CAS 10-45-03):	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
7. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: SANTSVR Share\Photos\2011-2011 CAU 367 2011 10-2011 Inspections
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	

POST-CLOSURE INSPECTION CHECKLIST**CAU 367, AREA 10 SEDAN, ESS AND UNCLE UNIT CRATERS – CAS 10-45-01, U-10h CRATER (SEDAN),
CAS 10-45-02, ESS CRATER SITE, AND CAS 10-45-03, UNCLE CRATER SITE**

4. Field Conclusions/Recommendations: *All 3 CASS in good condition. All signs
and posts in good condition. No issues.*

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: */s/ Rebecca King*Date: *10/27/11*Printed Name: *Rebecca King* *U*Title: *Project Manager*

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: */s/ Reed J. Poderis for TAT*Date: *11/7/11*

Printed Name: Thomas A. Thiele (or designee)

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CAU 370: T-4 ATMOSPHERIC TEST SITE

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POST-CLOSURE INSPECTION CHECKLIST

CAU 370, T-4 ATMOSPHERIC TEST SITE – CAS 04-23-01, ATMOSPHERIC TEST SITE T-4

Inspection Date and Time: 11/14/11 12:30 pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/29/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?

☒

2. Have the previous inspection reports been reviewed?

☒

3. Were anomalies or trends detected on previous inspections?

☒

4. Were maintenance or repair activities performed since the last inspection?

☒

Sign and fence Repair

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Check in at the BEEF office prior to the inspection.
- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES NO EXPLANATION (required if shaded box is checked)

a. Is there damage to the fence or fence posts?

☒

Fence wire down in 3 areas

b. Have any sign posts been damaged or their anchoring weakened?

☒

c. Are all use restriction signs legible?

☒

d. Are any use restriction signs damaged or missing?

☐

e. How many damaged or missing signs need to be replaced?

0

f. Are any use restriction signs down?

☒

7 signs are down and 1 is loose at a corner

g. How many down signs need to be re-hung?

8

h. Do any Radioactive Material Area signs need to be replaced or re-hung?

☒

POST-CLOSURE INSPECTION CHECKLIST

CAU 370, T-4 ATMOSPHERIC TEST SITE – CAS 04-23-01, ATMOSPHERIC TEST SITE T-4

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		9	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 370\2011\11-2011-Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Rehang 8 signs and repair fence wire in 3 areas

4. Field Conclusions/Recommendations: Seven (7) LR signs are down and one (1) is loose at the corner. ^{RAK 11/14/11} Recommend hanging signs on the double posts instead of on fence. Repair barb wire fence in 3 areas. No other issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King Date: 11/14/11
Printed Name: Rebecca King Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT Date: 11/28/11
Printed Name: Thomas A. Thiele (or designee)

CAU 371: JOHNNIE BOY CRATER AND PIN STRIPE

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POST-CLOSURE INSPECTION CHECKLIST

CAU 371, JOHNNIE BOY CRATER AND PIN STRIPE – CAS 11-23-05, PIN STRIPE CONTAMINATION AREA

Inspection Date and Time: 11/14/11 11:45am Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 11/1/10 Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: Mike Floyd Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 11 use restriction signs damaged or missing?	☒	☐	Only 7 signs located
d. How many damaged or missing signs need to be replaced?	☐	4	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 371, JOHNNIE BOY CRATER AND PIN STRIPE – CAS 11-23-05, PIN STRIPE CONTAMINATION AREA

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

a. Have photographs been taken of the site?

YES

NO

EXPLANATION

✓

If yes, how many photos were taken?

3

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\2011\CAU 371\2011 11-14-2011 Inspections

E. FIELD CONCLUSIONS

YES

NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

Add 2 signs on W and 2 signs on N

4. Field Conclusions/Recommendations: Only 7 signs located. Need to add 2 signs on west and 2 on north as a BMP to define UR boundary. No other issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 11/14/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 11/27/11

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST**CAU 371, JOHNNIE BOY CRATER AND PIN STRIPE – CAS 18-45-01, U-18j-2 CRATER (JOHNNIE BOY)**Inspection Date and Time: 10/3/11 12:00Reason for Inspection: AnnualDate of Last Post-Closure Inspection: 10/18/11Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca KingTitle: Project ManagerAssistant Inspector: George TunrelTitle: Sr. Scientist**A. GENERAL INSTRUCTIONS**

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers: YES NO EXPLANATION (required if shaded box is checked)

a. Have any posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 9 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	☐	0
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	☒	

2. Use-Restricted Area: YES NO EXPLANATION (required if shaded box is checked)

a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 371, JOHNNIE BOY CRATER AND PIN STRIPE – CAS 18-45-01, U-18j-2 CRATER (JOHNNIE BOY)**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☒	
If yes, how many photos were taken?		0	
If yes, has a photographic log been prepared?	☒	☒	File Location: S:\NTS\ER Share_____

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☒	

4. Field Conclusions/Recommendations: All signs and posts are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.Chief Inspector's Signature: /s/: Rebecca KingDate: 10/3/11Printed Name: Rebecca KingTitle: Project Manager**G. VERIFICATION:** I have reviewed this checklist and attachments and have verified that they are complete.Signature: /s/: Reed J. Poderis for TATDate: 10/18/2011Printed Name: Thomas A. Thiele (or designee)

**CAU 372: AREA 20 CABRIOLET/PALANQUIN UNIT
CRATERS**

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POST-CLOSURE INSPECTION CHECKLIST

**CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 18-45-02, LITTLE FELLER I SURFACE CRATER**

Inspection Date and Time: <u>10/3/11</u> <u>9:50</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>NA</u>	Reason for Last Post-Closure Inspection: <u>NA</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>George Junciel</u>	Title: <u>Sr Scientist</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
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1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	<u>This is the 1st annual inspection</u>
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	<u>One wire rope strand down on north and one on west</u>
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 11 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	<u>0</u>	
h. Do any Contamination Area signs need to be replaced or re-hung?	☒	☐	<u>One sign missing corner attachment</u>

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 18-45-02, LITTLE FELLER I SURFACE CRATER

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	5		
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 372\2011\10-03-11 Little Feller II
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Repair wire rope and CA sign
4. Field Conclusions/Recommendations: Fence, posts and sign all in good condition except one wire rope strand is down for about 20 yds on north and 50 yds on west. One CA sign to refasten.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/ Rebecca King		Date: 10/3/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/ Reed J. Poderis for TAT		Date: 10/18/2011	
Printed Name: Thomas A. Thiele (or designee)			

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 18-45-03, LITTLE FELLER II SURFACE CRATER

Inspection Date and Time: 10/3/11 11:05 Reason for Inspection: Annual

Date of Last Post-Closure Inspection: NA Reason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Project Manager

Assistant Inspector: George Jendiel Title: Sr Scientist

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	This is the 1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	2 wire rope strands down (100 yds) on SE / 2 strands down on NE / 2 post cut (SW)
b. Have any sign posts been damaged or their anchoring weakened?	☒	☐	1 post cut has red sign
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 11 use restriction signs damaged or missing?	☒	☐	1 sign on ENE needs corner reattached
e. How many damaged or missing signs need to be replaced?	☐	1	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Contamination Area signs need to be replaced or re-hung?	☒	☐	one on NNW and one on ENE

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 18-45-03, LITTLE FELLER II SURFACE CRATER

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		4	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 372\2011\10-03-11 Little Feller II
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	fence and sign repair
4. Field Conclusions/Recommendations: 2 wire rope strands need repair, 2 fence posts to be re-anchored, one UR sign with corner to refasten and 2 CA signs are down.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 10/3/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 10/18/2011	
Printed Name: Thomas A. Thiele (or designee)			

POST-CLOSURE INSPECTION CHECKLIST

**CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 20-23-01, U-20k CONTAMINATION AREA**

Inspection Date and Time: <u>10/6/11</u> <u>12:05</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>NA</u>	Reason for Last Post-Closure Inspection: <u>NA</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Curtis Obit</u>	Title: <u>Sr. Scientist</u>

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	<u>This is the 1st annual inspection.</u>
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- *The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection.* The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 19 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	<u>0</u>	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	<u>0</u>	<u>RAK 10/6/11</u>
h. Do any Contamination Area signs need to be replaced or re-hung?	☒	☐	<u>One of sign @ 37.28279 116.52752 needs to be rehung</u>

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 20-23-01, U-20k CONTAMINATION AREA

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER\Share\Photos\CAU 372\2011 10-06-2011 Palanquin

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Rehang CA sign

4. Field Conclusions/Recommendations: UR signs and fencing are in good condition. One CA sign to Rehang.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 10/16/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 10/18/2011
Printed Name: Thomas A. Thiele (or designee)	

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 20-45-01, U-20L CRATER (CABRIOLET)

Inspection Date and Time: 10/6/11 2:05	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: NA	Reason for Last Post-Closure Inspection: NA
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: CURTIS OBI	Title: SR. Scientist

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	This is the 1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 16 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Contamination Area signs need to be replaced or re-hung?	☒		One CA sign needs to be re-hung @ 37.28202 116.51244

POST-CLOSURE INSPECTION CHECKLIST

CAU 372, AREA 20 CABRIOLET/PALANQUIN UNIT CRATERS –
CAS 20-45-01, U-20L CRATER (CABRIOLET)

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\ Photos\ CAU 372\ 2011\ 10-06-2011 Cabriolet

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	

4. Field Conclusions/Recommendations: All fencing and use restriction signs in good condition. One Ct sign needs to be re-hung.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 10/6/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 10/18/2011
Printed Name: Thomas A. Thiele (or designee)	

CAU 374: AREA 20 SCHOONER UNIT CRATER

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POST-CLOSURE INSPECTION CHECKLIST

CAU 374, AREA 20 SCHOONER UNIT CRATER – CAS 18-23-01, DANNY BOY CONTAMINATION AREA

Inspection Date and Time: 10/3/11 12:55	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: N/A	Reason for Last Post-Closure Inspection: NA
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: George Juniel	Title: Sr Scientist

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?		✓	This is the 18 th annual inspection
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Obtain 18-2c Gate key from OCC to access the site
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence?	✓		Broken wire strands near gate, NE corner, and North.
b. Have any posts been damaged or their anchoring weakened?		✓	
c. Are all use restriction signs legible?	✓		
d. Are any of the 20 use restriction signs damaged or missing?		✓	
e. How many damaged or missing signs need to be replaced?		0	
f. Are any use restriction signs down?		✓	
g. How many down signs need to be re-hung?		0	
h. Do any Contamination Area signs need to be replaced or re-hung?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 374, AREA 20 SCHOONER UNIT CRATER – CAS 18-23-01, DANNY BOY CONTAMINATION AREA

i. Does the historical sign need to be replaced or re-hung?	☒	☐	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?	2		
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 374\2011 10-03-2011 Danny Boy
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	Repair fence wire
4. Field Conclusions/Recommendations: Broken wire strands near gate, NE corner and north fence. Signs, posts and remaining fence are in good condition.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 10/3/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 10/18/2011	
Printed Name: Thomas A. Thiele (or designee)			

POST-CLOSURE INSPECTION CHECKLIST

CAU 374, AREA 20 SCHOONER UNIT CRATER – CAS 20-45-03, U-20u CRATER (SCHOONER)

Inspection Date and Time: 10/6/11 10:00	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: NA	Reason for Last Post-Closure Inspection: NA
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: PROJECT MANAGER
Assistant Inspector: CURTIS OBI	Title: SR. SCIENTIST

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	This is the 1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
b. Are all use restriction signs legible?	☒	☐	
c. Are any of the 18 use restriction signs damaged or missing?	☐	☒	
d. How many damaged or missing signs need to be replaced?	☐	0	
e. Are any use restriction signs down?	☐	☒	
f. How many down signs need to be re-hung?	☐	0	
g. Does the historical sign need to be replaced or re-hung?	☐	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 374, AREA 20 SCHOONER UNIT CRATER – CAS 20-45-03, U-20u CRATER (SCHOONER)

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 374\2011\10-06-2011 Schooner

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: All signs and posts are in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 10/6/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 10/18/2011

Printed Name: Thomas A. Thiele (or designee)

CAU 375: AREA 30 BUGGY UNIT CRATERS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 375, AREA 30 BUGGY UNIT CRATERS – CAS 25-23-22, CONTAMINATED SOILS SITE

Inspection Date and Time: 12/20/11 9:45 Reason for Inspection: Annual

Date of Last Post-Closure Inspection: NA Reason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King Title: Proj Mgr

Assistant Inspector: Mike Floyd Title: Field Super

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Test Cell A Facility is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☐	☒	
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 17 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Radioactive Material Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 375, AREA 30 BUGGY UNIT CRATERS – CAS 25-23-22, CONTAMINATED SOILS SITE

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 375\ 2011\ 12-20-2011 Inspection 25-23-22

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☐	☒	

4. Field Conclusions/Recommendations: Signage, fencing, and site are in good condition. No issues

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King

Date: 12/20/11

Printed Name: Rebecca King O

Title: Proj Mgr

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT

Date: 1/3/2011

Printed Name: Thomas A. Thiele (or designee)

POST-CLOSURE INSPECTION CHECKLIST

CAU 375, AREA 30 BUGGY UNIT CRATERS – CAS 30-45-01, U-30a, b, c, d, e CRATERS

Inspection Date and Time: 10/3/11 2:40

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: NA

Reason for Last Post-Closure Inspection: NA

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Soils, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: George Juniel

Title: Sr. Scientist

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☐	☒	NA This is the 1st annual inspection
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☐	☒	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- Obtain key from OCC to access Cat Canyon Road
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- The site inspection is a walking inspection of the entire perimeter to visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the fenced Contamination Area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the fence or fence posts?	☒	☐	1 wire stand is down and 1 post needs reanchoring and new wire
b. Have any sign posts been damaged or their anchoring weakened?	☐	☒	
c. Are all use restriction signs legible?	☒	☐	
d. Are any of the 18 use restriction signs damaged or missing?	☐	☒	
e. How many damaged or missing signs need to be replaced?	☐	0	
f. Are any use restriction signs down?	☐	☒	
g. How many down signs need to be re-hung?	☐	0	
h. Do any Contamination Area signs need to be replaced or re-hung?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 375, AREA 30 BUGGY UNIT CRATERS – CAS 30-45-01, U-30a, b, c, d, e CRATERS

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		3	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU 375\2011\10-03-2011 Buggy Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☐	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	
4. Field Conclusions/Recommendations: Site is in good condition except 1 wire strand is down to left of gate and 1 loose post up the hill and to right of gate.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 10/3/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date: 10/18/2011	
Printed Name: Thomas A. Thiele (or designee)			

CAU 383: AREA 12 E-TUNNEL SITES

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POST-CLOSURE INSPECTION CHECKLIST

CAU 383, AREA 12 E-TUNNEL SITES –
CAS 12-06-06, MUCKPILE, CAS 12-25-02, OIL SPILL, AND CAS 12-28-02, RADIOACTIVE MATERIAL

Inspection Date and Time: 11/14/11 2 pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 10/11/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Mike Floyd

Title: Field Supervisor

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES NO EXPLANATION (required if shaded box is checked)

1. Has the Post-Closure Plan been reviewed?
2. Have the previous inspection reports been reviewed?
3. Were anomalies or trends detected on previous inspections?
4. Were maintenance or repair activities performed since the last inspection?

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the sites
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES NO EXPLANATION (required if shaded box is checked)

- a. Is there damage to the fence or fence posts?
- b. Have any sign posts been damaged or their anchoring weakened?
- c. Are all use restriction signs legible?
- d. Are any of the 11 use restriction signs damaged or missing?
- e. How many damaged or missing signs need to be replaced?
- f. Are any use restriction signs down?
- g. How many down signs need to be re-hung?
- h. Do any Underground Radioactive Material Area signs need to be replaced or re-hung?

Fence strand down between 1st UR sign and gate

1 sign down

POST-CLOSURE INSPECTION CHECKLIST

CAU 383, AREA 12 E-TUNNEL SITES –
CAS 12-06-06, MUCKPILE, CAS 12-25-02, OIL SPILL, AND CAS 12-28-02, RADIOACTIVE MATERIAL

2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☒	☐	Repair of drainage piping has occurred RAK(11/14/11)
Photograph Instructions: <ul style="list-style-type: none"> Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report. Anomalous features or new features (such as changes in adjacent area land use) should be photographed. Other photographs are optional. A photograph log entry will be made for each photograph taken. 			
3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	☒	☐	
If yes, how many photos were taken?		2	
If yes, has a photographic log been prepared?	☒	☐	File Location: S:\NTS\ER Share\Photos\CAU_383\2011 11-14-2011 Inspection
E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☐	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☐	
3. Are maintenance/repair actions necessary?	☒	☐	repair fence and rehang one UK sign
4. Field Conclusions/Recommendations: Fence strand down between 1st UK sign and gate. No other issues.			
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.			
Chief Inspector's Signature: /s/: Rebecca King		Date: 11/14/11	
Printed Name: Rebecca King		Title: Project Manager	
G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.			
Signature: /s/: Reed J. Poderis for TAT		Date:	
Printed Name: Thomas A. Thiele (or designee)			

**CAU 476: AREA 12 T-TUNNEL MUCKPILE and
CAU 559: T-TUNNEL COMPRESSOR/BLOWER PAD**

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POST-CLOSURE INSPECTION CHECKLIST**CAU 476, AREA 12 T-TUNNEL MUCKPILE – CAS 12-06-02, MUCKPILE****CAU 559, T-TUNNEL COMPRESSOR/BLOWER PAD – CAS 12-25-13, OIL STAINED SOIL AND CONCRETE**

Inspection Date and Time: 10/19/11 2:45pm	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/11/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Sarah Ryan	Title: RCT

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

YES	NO	EXPLANATION (required if shaded box is checked)
-----	----	---

1. Has the Post-Closure Plan been reviewed?	✓	
2. Have the previous inspection reports been reviewed?	✓	
3. Were anomalies or trends detected on previous inspections?		✓
4. Were maintenance or repair activities performed since the last inspection?		✓

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- **ER SKD66 key to access the site**
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- **Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.** The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:

YES	NO	EXPLANATION (required if shaded box is checked)
	✓	
✓		
	✓	
✓		
	✓	
	✓	

2. Use-Restricted Area:

YES	NO	EXPLANATION (required if shaded box is checked)
	✓	

POST-CLOSURE INSPECTION CHECKLIST**CAU 476, AREA 12 T-TUNNEL MUCKPILE – CAS 12-06-02, MUCKPILE****CAU 559, T-TUNNEL COMPRESSOR/BLOWER PAD – CAS 12-25-13, OIL STAINED SOIL AND CONCRETE****Photograph Instructions:**

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?		☒	
If yes, how many photos were taken?			
If yes, has a photographic log been prepared?			File Location: SANTS\ER Share\Photos\CAU 476\2011_____

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?	☒	☒	
2. Are existing maintenance/repair actions satisfactory?	☒	☒	
3. Are maintenance/repair actions necessary?	☒	☒	

4. Field Conclusions/Recommendations: Site and gate in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 10/19/11
Printed Name: Rebecca King	Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/4/11
Printed Name: Thomas A. Thiele (or designee)	

CAU 477: AREA 12 N-TUNNEL MUCKPILE

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POST-CLOSURE INSPECTION CHECKLIST

CAU 477, AREA 12 N-TUNNEL MUCKPILE – CAS 12-06-03, MUCKPILE

Inspection Date and Time: 10/18/11 1310	Reason for Inspection: Annual
Date of Last Post-Closure Inspection: 10/11/10	Reason for Last Post-Closure Inspection: Annual
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: Rebecca King	Title: Project Manager
Assistant Inspector: Randy Trough	Title: Laborer

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	UR sign was repaired

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the site
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the gate?	☐	☒	
b. Is the gate lock in place and functional?	☒	☐	
c. Have any posts been damaged or their anchoring weakened?	☐	☒	
d. Is the use restriction sign legible?	☒	☐	
e. Is the use restriction sign damaged or missing and need to be replaced?	☐	☒	
f. Is the use restriction sign down and need to be re-hung?	☐	☒	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST**CAU 477, AREA 12 N-TUNNEL MUCKPILE – CAS 12-06-03, MUCKPILE**

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:

YES NO EXPLANATION

a. Have photographs been taken of the site?

✓

If yes, how many photos were taken?

1

If yes, has a photographic log been prepared?

✓

File Location: S:\NTS\ER Share\Photos\CAU 477\2011\10-18-11 Inspection CAS 20-02-03

E. FIELD CONCLUSIONS

YES NO

EXPLANATION (required if shaded box is checked)

1. Are more frequent inspections required?

✓

2. Are existing maintenance/repair actions satisfactory?

✓

3. Are maintenance/repair actions necessary?

✓

4. Field Conclusions/Recommendations:

Sign, posts and anchors in good condition. Gate and lock in good condition. No issues.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King

Date: 10/18/11

Printed Name:

Rebecca King

Title:

Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT

Date: 11/4/11

Printed Name: Thomas A. Thiele (or designee)

CAU 478: AREA 12 T-TUNNEL PONDS

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POST-CLOSURE INSPECTION CHECKLIST**CAU 478, AREA 12 T-TUNNEL PONDS – CAS 12-23-01, PONDS (5), RAD AREA**

Inspection Date and Time: <u>10/19/11 2:50 pm</u>	Reason for Inspection: <u>Annual</u>
Date of Last Post-Closure Inspection: <u>10/11/10</u>	Reason for Last Post-Closure Inspection: <u>Annual</u>
Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada	
Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project	
Chief Inspector: <u>Rebecca King</u>	Title: <u>Project Manager</u>
Assistant Inspector: <u>Sarah Ryan</u>	Title:

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	☒	☐	
2. Have the previous inspection reports been reviewed?	☒	☐	
3. Were anomalies or trends detected on previous inspections?	☐	☒	
4. Were maintenance or repair activities performed since the last inspection?	☒	☐	<u>Fencing along Road repaired</u>

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- *ER SKD66 key to access the site*
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- **Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection.** The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Site Markers:			
a. Is there damage to the gate?	☐	☒	
b. Is the gate lock in place and functional?	☒	☐	
c. Have any posts been damaged or their anchoring weakened?	☐	☒	
d. Is the use restriction sign legible?	☒	☐	
e. Is the use restriction sign damaged or missing and need to be replaced?	☐	☒	
f. Is the use restriction sign down and need to be re-hung?	☐	☒	
2. Use-Restricted Area:			
a. Is there evidence of human intrusion onto the site?	☐	☒	

POST-CLOSURE INSPECTION CHECKLIST

CAU 478, AREA 12 T-TUNNEL PONDS – CAS 12-23-01, PONDS (5), RAD AREA

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?		✓	
If yes, how many photos were taken?			
If yes, has a photographic log been prepared?			File Location: S:\NTS\ER Share\Photos\CAU 478\2011_____

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	

4. Field Conclusions/Recommendations: Site, gate, and signage in good condition.

F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/: Rebecca King	Date: 10/19/11
Printed Name: <u>Rebecca King</u>	Title: <u>Project Manager</u>

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/: Reed J. Poderis for TAT	Date: 11/4/11
Printed Name: Thomas A. Thiele (or designee)	

CAU 482: AREA 15 U15A/E MUCKPILES AND PONDS

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POST-CLOSURE INSPECTION CHECKLIST

CAU 482, AREA 15 U15a/e MUCKPILES AND PONDS –

CAS 15-06-01, U15e MUCKPILE, CAS 15-06-02, U15a MUCKPILE, AND CAS 15-38-01, AREA 15 U15a/e PONDS

Inspection Date and Time: 10/27/11 2pm

Reason for Inspection: Annual

Date of Last Post-Closure Inspection: 10/25/10

Reason for Last Post-Closure Inspection: Annual

Responsible Entity: NSTec Environmental Restoration, Nevada National Security Site, Mercury, Nevada

Responsible Facility Owner: Thomas A. Thiele, Project Manager, Industrial Sites, Environmental Restoration Project

Chief Inspector: Rebecca King

Title: Project Manager

Assistant Inspector: Scott Roberts

Title: RCT

A. GENERAL INSTRUCTIONS

- Complete all checklist items.
- If a SHADED BOX is checked, provide detailed information and/or appropriate references to other documents that have the information.
- All documentation must be legible and clear.

B. PREPARATION (To be completed prior to site visit)

	YES	NO	EXPLANATION (required if shaded box is checked)
1. Has the Post-Closure Plan been reviewed?	✓		
2. Have the previous inspection reports been reviewed?	✓		
3. Were anomalies or trends detected on previous inspections?		✓	
4. Were maintenance or repair activities performed since the last inspection?		✓	

C. SITE INSPECTION PREPARATION

Assemble the following, as needed, to conduct inspections:

- ER SKD66 key to access the sites
- Radio, pager, etc.
- Previous letter report, inspection checklists, repair records, and as-built plans
- Camera, digital storage drive, extra batteries, and other miscellaneous support equipment

D. SITE INSPECTION

- Visually inspect all features specifically described in this checklist and observe whether there is an indication that the use restriction may have been compromised. Entry into the use-restricted area is not required for the inspection. The checklist should be completed during the site inspection.
- If a shaded box is checked, add detailed comments to document the results of the site inspection. Information provided should be of sufficient detail to enable reconstruction of observations regarding field conditions. The completed checklist is part of the field record of the inspection.
- Field notes taken to assist in completion of this checklist will become part of the inspection record. No form is specified for field notes, and additional field notes are not required if the checklist and associated attachments adequately describe site conditions.

1. Site Markers:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there damage to the gate?		✓	
b. Is the gate lock in place and functional?	✓		
c. Have any posts been damaged or their anchoring weakened?		✓	
d. Is the use restriction sign legible?	✓		
e. Is the use restriction sign damaged or missing and need to be replaced?		✓	
f. Is the use restriction sign down and need to be re-hung?		✓	
2. Use-Restricted Area:	YES	NO	EXPLANATION (required if shaded box is checked)
a. Is there evidence of human intrusion onto the site?		✓	

POST-CLOSURE INSPECTION CHECKLIST

CAU 482, AREA 15 U15a/e MUCKPILES AND PONDS –

CAS 15-06-01, U15e MUCKPILE, CAS 15-06-02, U15a MUCKPILE, AND CAS 15-38-01, AREA 15 U15a/e PONDS

Photograph Instructions:

- Photographs should be taken to document maintenance/repair needs at the site. These will be used to plan maintenance/repair activities and are not intended for use in the annual post-closure report.
- Anomalous features or new features (such as changes in adjacent area land use) should be photographed.
- Other photographs are optional.
- A photograph log entry will be made for each photograph taken.

3. Photograph Documentation:	YES	NO	EXPLANATION
a. Have photographs been taken of the site?	✓		
If yes, how many photos were taken?		1	
If yes, has a photographic log been prepared?	✓		File Location: S:\NTS\ER Share\Photos\CAU 482\10-2011 Inspection

E. FIELD CONCLUSIONS	YES	NO	EXPLANATION (required if shaded box is checked)
1. Are more frequent inspections required?		✓	
2. Are existing maintenance/repair actions satisfactory?	✓		
3. Are maintenance/repair actions necessary?		✓	

4. Field Conclusions/Recommendations: Site in good condition - no issues.
F. CERTIFICATION: I have conducted this inspection in accordance with the Post-Closure Plan as recorded on this checklist and attachments.

Chief Inspector's Signature: /s/ Rebecca King

Date: 10/27/11

Printed Name: Rebecca King

Title: Project Manager

G. VERIFICATION: I have reviewed this checklist and attachments and have verified that they are complete.

Signature: /s/ Reed J. Poderis for TAT

Date: 11/7/11

Printed Name: Thomas A. Thiele (or designee)