

Nevada
Environmental
Restoration
Project

DOE/NV--929



Post-Closure Inspection Report for
Corrective Action Unit 333:
U-3auS Disposal Site Annual
Report, Nevada Test Site, Nevada

Controlled Copy No.: _____

Revision: 0

September 2003

Environmental Restoration
Division



U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office

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**POST-CLOSURE INSPECTION REPORT FOR
CORRECTIVE ACTION UNIT 333:
U-3auS DISPOSAL SITE ANNUAL REPORT,
NEVADA TEST SITE, NEVADA**

**Prepared for
U.S. Department of Energy
National Nuclear Security Administration
Nevada Site Office
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**POST-CLOSURE INSPECTION REPORT FOR
CORRECTIVE ACTION UNIT 333:
U-3auS DISPOSAL SITE ANNUAL REPORT,
NEVADA TEST SITE, NEVADA**

Approved by: SIGNATURE APPROVED
Janet L. Appenzeller-Wing, Project Manager
Industrial Sites Project

Date: 8/14/2003

Approved by: SIGNATURE APPROVED
Runore C. Wycoff, Division Director
Environmental Restoration Division

Date: 8/14/2003

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TABLE OF CONTENTS

1.0 INTRODUCTION	1
2.0 INSPECTION RESULTS	1
3.0 CONCLUSIONS AND RECOMMENDATIONS	2

ATTACHMENTS

A. POST-CLOSURE INSPECTION CHECKLISTS

B. FIELD NOTES

C. INSPECTION PHOTOGRAPHS

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1.0 INTRODUCTION

The U-3auS Disposal Site Corrective Action Unit (CAU) 333 is a closed construction landfill located in Area 3 of the Nevada Test Site. The closure of this site was approved by the Nevada Division of Environmental Protection (NDEP) in a letter to the U.S. Department of Energy, National Nuclear Security Administration Nevada Operations Office (NNSA/NV) dated June 27, 2001. Post-closure monitoring requirements are described in a letter from NNSA/NV to NDEP dated October 9, 2001, and were approved by the NDEP in a letter from NDEP to NNSA/NV dated November 5, 2001.

Post-closure care consists of the following:

- Semiannual inspections of the unit using an inspection checklist
- Photographic documentation of site conditions
- Field note documentation
- Performing minor site maintenance as necessary
- Preparation and submittal of an annual report

The annual report consists of copies of the inspection checklist, repair records (if any), photographs, and recommendations and conclusions. The Post-Closure Inspection Checklists are provided in Attachment A, a copy of the field notes is found in Attachment B, and copies of the inspection photographs are provided in Attachment C. Field note documentation is not formally required for this CAU, however in order to be consistent with other reports, it has been added to this report.

2.0 INSPECTION RESULTS

The post-closure site inspection done in June of 2002 noted several site conditions that required corrective actions. The Post-Closure Report for 2002 recommended activities to repair the noted site conditions (U.S. Department of Energy, National Nuclear Security Administration. 2002. U-3auS Disposal Site Corrective Action Unit 333 Post-Closure Inspection Report. DOE/NV--854. Las Vegas, NV.). Site repairs were made in September of 2002 and included:

- Replacing the existing snow fencing with a more permanent three strand wire rope fence.
- Removal and disposal of construction debris from the site.
- Replacing outdated warning signs with new signs listing pertinent contact information.
- Regrading the road inside the fence line to facilitate future site inspections.

All repair work was documented with photographs included in Attachment C.

The first semiannual inspection of CAU 333 for the annual post-closure monitoring period was performed on December 19, 2002. All problems noted in the June 2002 post-closure inspection were corrected in September 2002. The fence, warning signs and site monuments were in excellent condition. The overall condition of the site was excellent. The inspection was documented on a site inspection form and photographs (Appendix A and C). Note: no field notes were made during this site inspection.

The second semiannual inspection of CAU 333 for the annual post-closure monitoring period was performed on June 26, 2003. Observations indicated that the site had not changed

significantly since the December 2002 inspection. Site conditions were documented on a site inspection form, field notes, and site photographs (Attachment A, B and C).

3.0 CONCLUSIONS AND RECOMMENDATIONS

Continue to inspect the site on a semiannual basis.

ATTACHMENT A

POST-CLOSURE INSPECTION CHECKLISTS

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AREA 3 U3auS DISPOSAL UNIT (CAU 333)
INSPECTION FORM

Inspect the unit and surrounding area. Look for any unusual change in the unit such as accumulation of water, chemical odors, deterioration of structures, etc. Refer to the previous inspection of the unit in order to identify any changes. Inspections should be completed after a problem is reported by a contractor, NNSA, NDEP, ER or other BN employees. Post Closure Care inspections will be done two times a year.

GENERAL INFORMATION

1. Date and time of inspection: 12 / 19 / 02 14 : 00
2. Facility Owner: Jeffrey L. Smith, Bechtel Nevada Environmental Restoration
3. Reason for inspection: Semiannual: XX
Problem Reported: Unusual weather:

Details (Name, organization and telephone number of person reporting problem):

4. Describe weather conditions over the past few weeks (high winds, precipitation, local flooding):
Cold and windy. Some snow and rain.

CRATER AREA

5. Condition of unit (cracks, subsidence, serious erosion):
Good

6. Was gate locked? No Yes XX

Details:

7. Condition of fencing (breaks, tilting):
Good

8. Condition of signs and monuments (missing, fading, damaged, excessive vegetation obscuring signs or monuments):
Good

9. Any trash or other waste in area? No Yes No change XX

Details:

AREA 3 U3auS DISPOSAL UNIT (CAU 333) INSPECTION FORM (Continued)

ACTIVITIES

10. Describe any activities apparent at the time of inspection:

None

AREA SURROUNDING UNIT

11. Describe any significant changes in the general area (within several hundred feet of the unit) from the previous inspection. Changes can include water in the area, change in land use, storage of materials nearby, soil piles, change in use of the facility, etc.:

A trail has been developed encircling the unit inside and out.

12. What is the (possible) effect of the change?

The trail should make inspections easier and faster.

13. Other comments or observations:

The old fence and signs have been removed, and a new fence and new signage have been installed since the June inspection.

14. Recommendations:

Continue inspections as scheduled.

15. Does the finding(s) of this inspection require another inspection prior to the scheduled semiannual inspection? No XX Yes If yes, date of next inspection:

The ER Project Manager and Task Manager must be notified of significant changes upon return to the office.

Inspected by (print): Jim Traynor Signed:  Date: 12 / 19 / 02

Names of other persons on inspection (print):

David Nacht

**AREA 3 U3auS DISPOSAL UNIT (CAU 333)
INSPECTION FORM**

Inspect the unit and surrounding area. Look for any unusual change in the unit such as accumulation of water, chemical odors, deterioration of structures, etc. Refer to the previous inspection of the unit in order to identify any changes. Inspections should be completed after a problem is reported by a contractor, NNSA, NDEP, ER or other BN employees. Post Closure Care inspections will be done two times a year.

GENERAL INFORMATION

1. Date and time of inspection: 06/26/03 11:10
2. Facility Owner: Jeff Smith, Bechtel Nevada Environmental Restoration
3. Reason for inspection: Semiannual: x
Problem Reported: Unusual weather:

Details (Name, organization and telephone number of person reporting problem):

4. Describe weather conditions over the past few weeks (high winds, precipitation, local flooding):
Clear, Hot

CRATER AREA

5. Condition of unit (cracks, subsidence, serious erosion):
No Change

6. Was gate locked? No Yes X

Details:

7. Condition of fencing (breaks, tilting):
Fences were in good condition, no change.

8. Condition of signs and monuments (missing, fading, damaged, excessive vegetation obscuring signs or monuments):
Monuments were in good condition, no change.

9. Any trash or other waste in area? No Yes No change X

Details:

AREA 3 U3auS DISPOSAL UNIT (CAU 333) INSPECTION FORM (Continued)

ACTIVITIES

10. Describe any activities apparent at the time of inspection:
No new activities.

AREA SURROUNDING UNIT

11. Describe any significant changes in the general area (within several hundred feet of the unit) from the previous inspection. Changes can include water in the area, change in land use, storage of materials nearby, soil piles, change in use of the facility, etc.:

No change.

12. What is the (possible) effect of the change?
N/A

13. Other comments or observations:
None

14. Recommendations:
Continue inspections as scheduled.

15. Does the finding(s) of this inspection require another inspection prior to the scheduled semiannual inspection? No X Yes ____ If yes, date of next inspection: ____

The ER Project Manager and Task Manager must be notified of significant changes upon return to the office.

Inspected by (print): Michael S. Elton Signed: [Signature] Date: 6/26/03

Names of other persons on inspection (print):

ATTACHMENT B

FIELD NOTES

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RCRA INSPECTIONS

Thursday June 26, 2003

AREA-2 BITCUTTER: NO ISSUES OR CONCERNS

5 AREA-3 URBAN CONSTRUCTION LANDFILL:

NO ISSUES OR CONCERNS

AREA 3 AXLES ONE MINOR BREAK IN CHICKEN WIRE ^{IN FENCE} 100' (+/-) TO THE LEFT OF THE GATE AND ONE MINOR BREAK

10 IMMEDIATELY TO THE LEFT OF THE GATE LEADING INTO THE CAP/COVER NORTH EAST CORNER SHOWING SIGNS OF SETTLING. THE TOTAL AREA IS APPROX 10' X 10' X 5". IN ADDITION TO THE SETTLING THERE IS NOW EVIDENCE OF CRACKING IN THIS AREA UP TO 1/2" DEEP. REPAIRS SHOULD BE MADE AS SOON AS PRACTICAL.

15

A/C REGION POND: VEGETATION WAS REMOVED FROM THE SURROUNDING AREA OF THE CAP/COVER BUT STILL SHOWS SIGNS OF VEGETATION ON THE CAP/COVER. WITH THE APPROVAL OF THE STATE AND THE CLINT, RECOMMEND USING HERBICIDE TO CONTROL VEGETATION.

20

A23 HAZ WASTE TRENCHES: CAP/COVER DEVEGETATION WORK HAS NOT YET BEEN PERFORMED, RECOMMEND THIS WORK BE DONE AS SOON AS PRACTICAL.

25

SIGNATURE



DATE

6/26/03

DISCLOSED TO AND UNDERSTOOD BY

DATE

WITNESS

DATE

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ATTACHMENT C

INSPECTION PHOTOGRAPHS

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PHOTOGRAPH LOG

PHOTO NUMBER	DATE	DESCRIPTION
1	9/19/2002	Gate to unit.
2	9/19/2002	View from gate looking northwest along fence line.
3	9/19/2002	View from gate looking southeast along fence line.
1	12/19/2002	Gate to unit.
2	12/19/2002	View looking north from center of unit.
3	12/19/2002	View looking east from center of unit.
4	12/19/2002	View looking south from center of unit.
5	12/19/2002	View looking west from center of unit.
6	12/19/2002	View from gate looking northwest along fence line.
7	12/19/2002	View from gate looking southeast along fence line.
8	12/19/2002	View looking south along northern boundary.
9	12/19/2002	View looking west along eastern boundary.
10	12/19/2002	View looking north along southern boundary.
11	12/19/2002	View looking east from western boundary.
1	6/26/2003	Gate to unit.
2	6/26/2003	View from gate looking northwest along fence line.
3	6/26/2003	View from gate looking southeast along fence line.
4	6/26/2003	View looking south along northern boundary.
5	6/26/2003	View looking west along eastern boundary.

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