FACILITY STATUS CHANGE FORM

1219768

Date Submitted:	Area:	Control #:
Feb 12, 2013	100-N	D4-100N-0052
Originator:	**Facility ID:**	
David Warren	1315-N, 1316-N, -NA, -NB, and-NC	
Phone:	**Action Memorandum:**	
539-6040	100-N Ancillary Facilities	

This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

☒ All D4 operations required by action memo complete.

☐ D4 operations required by action memo partially complete, remaining operations deferred.

Description of Completed Activities and Current Conditions:

The 1315-N, 1316-N, 1316-NA, 1316-NB, and 1316-NC were removed in conjunction with remedial actions performed for removal of the 116-N-3 WIDS (1301-N Crib and Trench), and a portion of the 100-N-63:1 piping. The CERCLA action closure requirement, which at the time was defined in the *Removal Action Work Plan for 100-N Area Ancillary Facilities*, DOE/RL-2002-70, Rev. 0, was that a facility removal was to documented in a Cleanup Verification Package (CVP). However, the corresponding CVP(s) for closure of the associated WIDS, CVP-2002-00002 and the revised version CVP-2006-00004, did not specifically identify the facilities as being removed by the CERCLA remedial action. This Facility Status Change Form (FSCF), in conjunction with reference to CVP-2002-00002 and CVP-2006-00004, and the attached documents as supporting information that the facilities were removed, are being utilized to fulfill the closure requirement for the 1315-N, 1316-N, 1316-NA, 1316-NB, and 1316-NC; as was outlined in the applicable CERCLA work document at the time the facilities were removed.

Description of Deferral (as applicable):

N/A

Section 2: Underlying Soil Status

☒ No waste site(s) present. No additional actions anticipated.

☐ Documented waste site(s) present. Cleanup and closeout to be addressed under Record of Decision.

☐ Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.

Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

All co-located waste sites closed. See CVP-2002-00002 and corresponding revised CVP-2006-00004.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

All co-located waste sites closed. See CVP-2002-00002 and corresponding revised CVP-2006-00004.

Section 3: List of Attachments

Attachment 1. Stewardship Information System (SIS) Data Summary Report(s) for 1315-N, 1316-N, 1316-NA, 1316-NB, and 1316-NC.

100-NR-1

FACILITY STATUS CHANGE FORM

DOE-RL	Date 2/12/2013
Lead Regulator ☐ EPA ☒ Ecology	Date 3/11/13

DISTRIBUTION:

EPA: Dennis Faulk, B1-46
Ecology: Wanda Elliott, H0-57
DOE: Rudy Guercia, A3-04
Document Control, H0-30
Administrative Record, H6-08 (100-NR-1 OU)

SIS Coordinator: Benjamin Cowin, H4-22
D4 EPL: David Warren, X9-08
Sample Design/Cleanup Verification: Theresa Howell, H4-22
FR Engineering: Rich Carlson, N3-30
FR EPL: Dan Saueressig, N3-30

Attachment 1: Stewardship Information System (SIS) Data Summary Report(s) for 1315-N, 1316-N, 1316-NA, 1316-NB, and 1316-NC

RCC Stewardship Information System
Facility Summary Report

02/11/2013

Facility Code: 1315-N

Facility Names: 1315-N, 1315N, Reactor Diversion Valve House, Reactor Effluent Diversion System Valve House

Facility Type:	Process Unit/Plant	**Construction Date:**	1977	**Hanford Area:**	100N
Status:	Demolished	**Demolition Date:**	2004	**Operable Unit:**	100-NR-1
Operating Status:	Not In Use			**Decision Unit:**	100-N
Utilities Deactivated:	Yes	**Remaining Structure:**		**Coordinates:**	
TSD:	No	**Above Grade:**	No	(E)	571492.1
TSD Permit Closed:		**Slab:**	No	(N)	149663.8
TSD Number:		**Below Grade:**	No	Washington State Plane	
QC Code:	**QC Date:**				

Facility Description: The 1315-N Reactor Effluent Diversion System Valve House was a 12.5 m2 (135 ft2), pre-engineered metal building.

Location Description: The 1315-N facility was located about 350 meters (1148 ft) northeast of the 105-N Reactor and was associated with the pipeline (100-N-63) running between the 116-N-1 and 116-N-3 crib & trench. It was to the west of the 1312-N Liquid Effluent Retention Facility (LERF).

The 1315-N Reactor Effluent Diversion System Valve House was centered at 571492.142E, 149663.786N.

Process Description: 1315-N was used as a valving station which regulated discharge to the cribs or shallow disposal basin.

Associated Sites: 1315-N was associated with 1316-N, 1316-NA, 1316-NB, 1316-NC, 1327-N and WIDS site 100-N-63 (100-N Reactor TSD Underground Pipelines). It was also associated with the 116-N-1 and 116-N-3 cribs and the 1312-N LERF.

Facility Comments: Radiological surveys were preformed in the facility prior to deactivation. The endpoint criteria and turnover documentation for each facility documented the radiological status of the building (CCN# 521150). Isotopes of concern from wastes generated during deactivation were: Co-60, Cs-137, U-235, U-238 (dau), and Sr-90 (CCN# 25948).

Cleanup Summary: The 1315-N Reactor Effluent Diversion System Valve House was demolished and remediated as part of the 116-N-1 remediation project (CVP-2006-00004, paragraph 3.1). The entire structure, piping and any contaminated soil were removed and disposed at ERDF.

Demolition Contractor: Bechtel Hanford Inc.

References:

1. 0100N-DD-W0001, 07/26/2007, TSD UNIT: D-1-2 1301N/1325N LIQUID WASTE DISPOSAL FACILITY, Rev. 2, Washington Closure Hanford, LLC
2. 025948, 01/31/1996, Radiological Isotope Makeup for Wastes from 1315-N, 1316-N, NA, NB and NC, and 1317-N and 1327-N, Bechtel Hanford Inc.
3. 0521150, 09/19/1996, 100N Facility Endpoint Criteria and Turnover Documentation 1315-N Diversion Valve House, Bechtel Hanford Inc.
4. CVP-2006-00004, 03/01/2009, Cleanup Verification Package for the Soil Column of the 116-N-1 Crib and Trench, Rev. 1, Washington Closure Hanford, LLC
5. H-1-45007, Sheet 55, 06/19/1990, COMPOSITE UNDERGROUND LINES, Rev. 4, United Nuclear Industries
6. H-1-45007, Sheet 56, 06/30/1985, COMPOSITE UNDERGROUND LINES, Rev. 5, United Nuclear Industries

Dimensions:

Length:	Width:
2.74 m	4.57 m
(9.00 ft)	(15.00 ft)

References:

RCC Stewardship Information System
Facility Summary Report

02/11/2013

Facility Names: 1316-NA, 1316NA, Valve House, Valve Vault Building

Facility Type:	Process Unit/Plant	**Construction Date:**	1983	**Hanford Area:**	100N
Status:	Demolished	**Demolition Date:**	2001	**Operable Unit:**	100-NR-1
Operating Status:	Not In Use			**Decision Unit:**	100-N
Utilities Deactivated:	Yes	**Remaining Structure:**		**Coordinates:**	
TSD:	No	**Above Grade:**	No	(E)	571550.5
TSD Permit Closed:		**Slab:**	No	(N)	149640.7
TSD Number:		**Below Grade:**	No	Washington State Plane	
QC Code:	**QC Date:**				

Facility Description: 1316-NA Valve Vault Building was a 13 m2 (140 ft2), pre-engineered metal building.

Location Description: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities were located about 350 meters (1148 ft) northeast of the 105-N Reactor and were associated with the pipeline (100-N-63) running between the 116-N-1 and 116-N-3 crib & trench. They were to the west of the 1312-N Liquid Effluent Retention Facility (LERF).

The 1316-NA Valve Vault Building was centered at 571550.502E, 149640.702N.

Process Description: 1316-NA provided a housing for the valve station which directed water discharge to either the 116-N-1 or 116-N-3 cribs.

Associated Sites: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities are associated with WIDS site 100-N-63 (100-N Reactor TSD Underground Pipelines) and the 1315-N and 1327-N structures. The facilities are also associated with the 116-N-1 and 116-N-3 cribs and the 1312-N LERF.

Facility Comments: Radiological surveys were preformed in the facility prior to deactivation. The endpoint criteria and turnover documentation documented the radiological status of the building (CCN# 521152). Isotopes of concern from wastes generated during deactivation were: Co-60, Cs-137, U-235, U-238 (dau), and Sr-90 (CCN# 25948).

Cleanup Summary: The 1316-N, 1316-NA, 1316-NB, 1316-NC and 1327-N facilities were demolished and remediated as part of the 116-N-3 remediation project (CVP-2002-00002, Other02062003). The entire structure, piping and any contaminated soils were removed and disposed at the Environmental Restoration Disposal Facility (ERDF).

Demolition Contractor: Bechtel Hanford Inc.

References:

1. 0100N-DD-W0001, 07/26/2007, TSD UNIT: D-1-2 1301N/1325N LIQUID WASTE DISPOSAL FACILITY, Rev. 2, Washington Closure Hanford, LLC
2. 025948, 01/31/1996, Radiological Isotope Makeup for Wastes from 1315-N, 1316-N, NA, NB and NC, and 1317-N and 1327-N, Bechtel Hanford Inc.
3. 0521151, 09/19/1996, 100N Facility Endpoint Criteria and Turnover Documentation 1316-NA Valve House (Vault), Bechtel Hanford Inc.
4. CVP-2002-00002, 12/01/2002, Cleanup Verification Package/Clean Closure Report for the Soil Column of the 116-N-3 Trench, Crib, and 100-N-63:1 Pipeline, Rev. 0, Bechtel Hanford Inc.
5. Email02062003, 02/06/2003, Pipeline 116-N-3 to 116-N-1, Washington Closure Hanford, LLC
6. H-1-45007, Sheet 55, 06/19/1990, COMPOSITE UNDERGROUND LINES, Rev. 4, United Nuclear Industries

Dimensions:

Length:	Width:
3.66 m (12.00 ft)	3.66 m (12.00 ft)

References:

RCC Stewardship Information System
Facility Summary Report

02/11/2013

Facility Code: 1316-NB

Facility Names: 1316-NB, 1316NB, Magnetic Flowmeter Vault, Valve House Annex

Facility Type:	Process Unit/Plant	**Construction Date:**	1984	**Hanford Area:**	100N
Status:	Demolished	**Demolition Date:**	2004	**Operable Unit:**	100-NR-1
Operating Status:	Not In Use			**Decision Unit:**	100-N
Utilities Deactivated:	Yes	**Remaining Structure:**		**Coordinates:**	
TSD:	No	**Above Grade:**	No	(E)	571511.2
TSD Permit Closed:		**Slab:**	No	(N)	149656.4
TSD Number:		**Below Grade:**	No	Washington State Plane	
QC Code:	**QC Date:**				

Facility Description: 1316-NB Magnetic Flow Meter Vault was a 10.5 m2 (113 ft2), reinforced concrete valve pit.

Location Description: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities were located about 350 meters (1148 ft) northeast of the 105-N Reactor and were associated with the pipeline (100-N-63) running between the 116-N-1 and 116-N-3 crib & trench. They were to the west of the 1312-N Liquid Effluent Retention Facility (LERF).

The 1316-NB Magnetic Flow Meter Vault was centered at 571511.153E, 149656.425N.

Process Description: 1316-NB housed a magnetic flow meter used to record the volume of radioactive effluent discharged to the 1301-N and 1325-N Cribs.

Associated Sites: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities are associated with WIDS site 100-N-63 (100-N Reactor TSD Underground Pipelines) and the 1315-N and 1327-N structures. The facilities are also associated with the 116-N-1 and 116-N-3 cribs and the 1312-N LERF.

Facility Comments: Radiological surveys were preformed in the facility prior to deactivation. The endpoint criteria and turnover documentation documented the radiological status of the building (CCN# 521153). Isotopes of concern from wastes generated during deactivation were: Co-60, Cs-137, U-235, U-238 (dau), and Sr-90 (CCN# 25948).

Cleanup Summary: The 1316-N, 1316-NA, 1316-NB, 1316-NC and 1327-N facilities were demolished and remediated as part of the 116-N-3 remediation project (CVP-2002-00002, Other02062003). The entire structure, piping and any contaminated soils were removed and disposed at the Environmental Restoration Disposal Facility (ERDF).

Demolition Contractor: Bechtel Hanford Inc.

References:

1. 0100N-DD-W0001, 07/26/2007, TSD UNIT: D-1-2 1301N/1325N LIQUID WASTE DISPOSAL FACILITY, Rev. 2, Washington Closure Hanford, LLC
2. 025948, 01/31/1996, Radiological Isotope Makeup for Wastes from 1315-N, 1316-N, NA, NB and NC, and 1317-N and 1327-N, Bechtel Hanford Inc.
3. 0521153, 09/20/1996, 100N Facility Endpoint Criteria and Turnover Documentation 1316-NB Magnetic Flow Meter Vault & 1926 Valve Vault, Bechtel Hanford Inc.
4. CVP-2002-00002, 12/01/2002, Cleanup Verification Package/Clean Closure Report for the Soil Column of the 116-N-3 Trench, Crib, and 100-N-63:1 Pipeline, Rev. 0, Bechtel Hanford Inc.
5. Email02062003, 02/06/2003, Pipeline 116-N-3 to 116-N-1, Washington Closure Hanford, LLC
6. H-1-45007, Sheet 56, 06/30/1985, COMPOSITE UNDERGROUND LINES, Rev. 5, United Nuclear Industries

Dimensions:

Length:	Width:
3.05 m (10.00 ft)	3.35 m (11.00 ft)

References:

RCC Stewardship Information System
Facility Summary Report

02/11/2013

Facility Names: 1316-NC, 1316NC, Turbine Meter/Standpipe, Turbine Meter Vault

Facility Type:	Process Unit/Plant	**Construction Date:**		**Hanford Area:**	100N
Status:	Demolished	**Demolition Date:**	2004	**Operable Unit:**	100-NR-1
Operating Status:	Not In Use			**Decision Unit:**	100-N
Utilities Deactivated:	Yes	**Remaining Structure:**		**Coordinates:**	
TSD:	No	**Above Grade:**	No	(E)	571504.0
TSD Permit Closed:		**Slab:**	No	(N)	149658.7
TSD Number:		**Below Grade:**	No	Washington State Plane	
QC Code:	**QC Date:**				

Facility Description: 1316-NC Turbine Meter/Standpipe was a reinforced concrete basin with a vertical standpipe.

Location Description: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities were located about 350 meters (1148 ft) northeast of the 105-N Reactor and were associated with the pipeline (100-N-63) running between the 116-N-1 and 116-N-3 crib & trench. They were to the west of the 1312-N Liquid Effluent Retention Facility (LERF).

The 1316-NC Turbine Meter/Standpipe was centered at 571504.029E, 149658.668N.

Process Description: 1316-NC housed a turbine meter used to record the volume of radioactive effluent discharged to the 1301-N and 1325-N Cribs.

Associated Sites: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities are associated with WIDS site 100-N-63 (100-N Reactor TSD Underground Pipelines) and the 1315-N and 1327-N structures. The facilities are also associated with the 116-N-1 and 116-N-3 cribs and the 1312-N LERF.

Facility Comments: Radiological surveys were preformed in the facility prior to deactivation. The endpoint criteria and turnover documentation documented the radiological status of the building (CCN# 521154). Isotopes of concern from wastes generated during deactivation were: Co-60, Cs-137, U-235, U-238 (dau), and Sr-90 (CCN# 25948).

Cleanup Summary: The 1316-N, 1316-NA, 1316-NB, 1316-NC and 1327-N facilities were demolished and remediated as part of the 116-N-3 remediation project (CVP-2002-00002, Other02062003). The entire structure, piping and any contaminated soils were removed and disposed at the Environmental Restoration Disposal Facility (ERDF).

Demolition Contractor: Bechtel Hanford Inc.

References:

1. 0100N-DD-W0001, 07/26/2007, TSD UNIT: D-1-2 1301N/1325N LIQUID WASTE DISPOSAL FACILITY, Rev. 2, Washington Closure Hanford, LLC
2. 025948, 01/31/1996, Radiological Isotope Makeup for Wastes from 1315-N, 1316-N, NA, NB and NC, and 1317-N and 1327-N, Bechtel Hanford Inc.
3. 0521154, 09/19/1996, 100N Facility Endpoint Criteria and Turnover Documentation 1316-NC Turbine Meter Vault, Bechtel Hanford Inc.
4. CVP-2002-00002, 12/01/2002, Cleanup Verification Package/Clean Closure Report for the Soil Column of the 116-N-3 Trench, Crib, and 100-N-63:1 Pipeline, Rev. 0, Bechtel Hanford Inc.
5. Email02062003, 02/06/2003, Pipeline 116-N-3 to 116-N-1, Washington Closure Hanford, LLC
6. H-1-45007, Sheet 56, 06/30/1985, COMPOSITE UNDERGROUND LINES, Rev. 5, United Nuclear Industries

Dimensions:

Length:	Width:
1.52 m (5.00 ft)	1.52 m (5.00 ft)

References:

RCC Stewardship Information System
Facility Summary Report

02/11/2013

Facility Code: 1316-N

Facility Names: 1316-N, 1316N, Valve House

Facility Type:	Process Unit/Plant	**Construction Date:**		**Hanford Area:**	100N
Status:	Demolished	**Demolition Date:**	2001	**Operable Unit:**	100-NR-1
Operating Status:	Not In Use			**Decision Unit:**	100-N
Utilities Deactivated:	Yes	**Remaining Structure:**		**Coordinates:**	
TSD:	No	**Above Grade:**	No	(E)	571495.3
TSD Permit Closed:		**Slab:**	No	(N)	149662.5
TSD Number:		**Below Grade:**	No	Washington State Plane	
QC Code:	**QC Date:**				

Facility Description: The 1316-N Valve House was an 11.1 m2 (120 ft2), pre-engineered metal building over a below-grade concrete valve pit.

Location Description: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities were located about 350 meters (1148 ft) northeast of the 105-N Reactor and were associated with the pipeline (100-N-63) running between the 116-N-1 and 116-N-3 crib & trench. They were to the west of the 1312-N Liquid Effluent Retention Facility (LERF).

The 1316-N Valve House was centered at 571495.300E, 149662.522N.

Process Description: 1316-N was used as a valving station for reactor effluent discharge to the shallow disposal basin.

Associated Sites: The 1316-N, 1316-NA, 1316-NB, and 1316-NC facilities are associated with WIDS site 100-N-63 (100-N Reactor TSD Underground Pipelines) and the 1315-N and 1327-N structures. The facilities are also associated with the 116-N-1 and 116-N-3 cribs and the 1312-N LERF.

Facility Comments: Radiological surveys were preformed in the facility prior to deactivation. The endpoint criteria and turnover documentation documented the radiological status of the building (CCN# 521151). Isotopes of concern from wastes generated during deactivation were: Co-60, Cs-137, U-235, U-238 (dau), and Sr-90 (CCN# 25948).

Cleanup Summary: The 1316-N, 1316-NA, 1316-NB, 1316-NC and 1327-N facilities were demolished and remediated as part of the 116-N-3 remediation project (CVP-2002-00002, Other02062003). One valve was left behind from the 2001 removal of the building and demolished with the 1315-N Valve Pit (109598). The entire structure, piping and any contaminated soils were removed and disposed at the Environmental Restoration Disposal Facility (ERDF).

Demolition Contractor: Bechtel Hanford Inc.

References:

1. 0100N-DD-W0001, 07/26/2007, TSD UNIT: D-1-2 1301N/1325N LIQUID WASTE DISPOSAL FACILITY, Rev. 2, Washington Closure Hanford, LLC
2. 025948, 01/31/1996, Radiological Isotope Makeup for Wastes from 1315-N, 1316-N, NA, NB and NC, and 1317-N and 1327-N, Bechtel Hanford Inc.
3. 0521152, 09/19/1996, 100N Facility Endpoint Criteria and Turnover Documentation 1316-N Valve House, Bechtel Hanford Inc.
4. 109598, 09/15/2003, 116-N-1 Crib Remedial Design: Comment/Response for the Environmental Technologies Review of the Preliminary Design Package, Bechtel Hanford Inc.
5. CVP-2002-00002, 12/01/2002, Cleanup Verification Package/Clean Closure Report for the Soil Column of the 116-N-3 Trench, Crib, and 100-N-63:1 Pipeline, Rev. 0, Bechtel Hanford Inc.
6. Email02062003, 02/06/2003, Pipeline 116-N-3 to 116-N-1, Washington Closure Hanford, LLC
7. H-1-45007, Sheet 56, 06/30/1985, COMPOSITE UNDERGROUND LINES, Rev. 5, United Nuclear Industries

Image:

Date Taken: 8/27/1993 **Historical Photo Number:**

Description: The annotated photograph shows the location of the 1315-N facility.

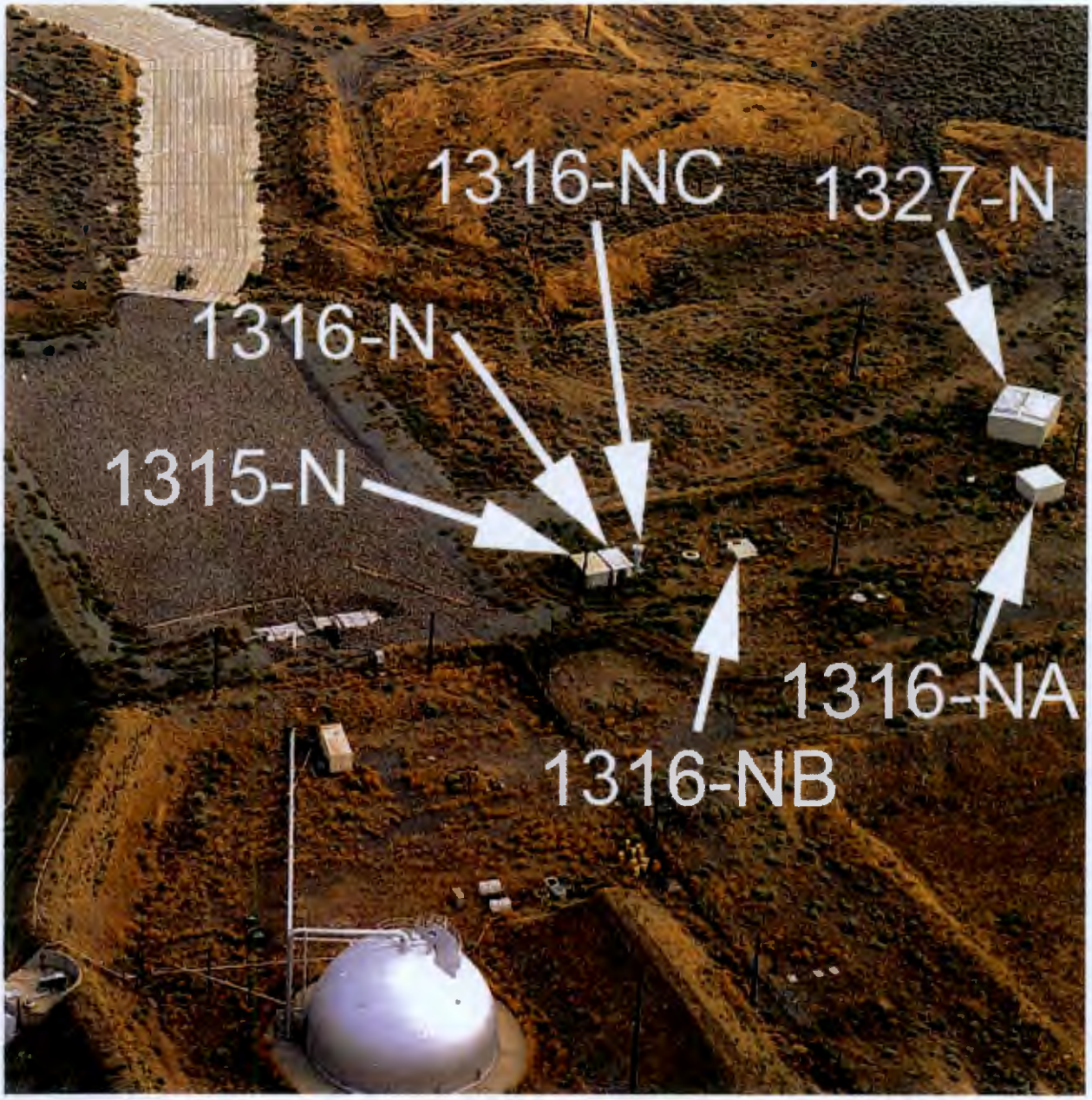

Image:

Date Taken: 6/1/2006 **Historical Photo Number:**

Description: The photograph shows the site of the 1315-N, 1316-N, 1316-NA, 1316-NB, 1316-NC and 1327-N facilities after remediation.