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STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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August 19, 2014

14-NWP-176

Mr. Rudy Guercia
U.S. Department of Energy
825 Jadwin Avenue, MSIN: A3-04
Richland, Washington 99352

Re: Transmittal of Signed Facility Status Change Form for 100-N Ancillary Facilities

Dear Mr. Guercia:

Enclosed is the originally signed Facility Status Change Form for Facility ID: 100-N AOC Area 8, Control # D4-100N-0065.

If you have any questions, please contact me at kim.welsch@ecy.wa.gov or (509) 372-7882.

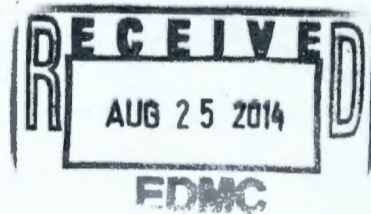
Sincerely,

Kim Welsch, Acting Project Manger
Environmental Restoration
Nuclear Waste Program

tkb
Enclosure

cc w/enc:
NWP Central File

cc w/o enc:
NWP Reader File



RECEIVED
AUG 20 2014
DGE-RLCC



FACILITY STATUS CHANGE FORM

Date Submitted: 8-6-2014 Originator: Dan Saueressig Phone: 509-521-5326	Area: 100-N Facility ID: 100-N AOC Area 8 Action Memorandum: 100-N Ancillary Facilities	Control #: D4-100N-0065
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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 100-N Area of Contamination (AOC) Area 8 consists of a large area south and east of the 109-N Heat Exchanger Building and provided access/entry to the facilities in the vicinity (105-ND Remote Air Intake, 108-N Chemical Unloading Facility, 151-N Electrical Substation, 153-N Electrical Switchgear Building, 182-N High Lift Pumphouse, 184-N Power House, 163-N Demineralized Water Plant, 183-N Water Treatment Plant and the 185-N HGP Turbine Generator Plant). The area has been backfilled to existing grade.

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:

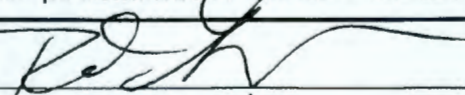
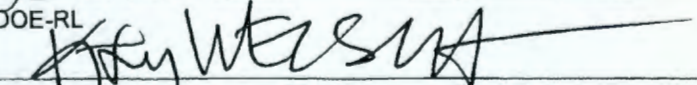
The 100-N AOC Area 8 consists of a large area south and east of the 109-N Heat Exchanger Building and provided access/entry to the facilities in the vicinity (105-ND Remote Air Intake, 108-N Chemical Unloading Facility, 151-N Electrical Substation, 153-N Electrical Switchgear Building, 182-N High Lift Pumphouse, 184-N Power House, 163-N Demineralized Water Plant, 183-N Water Treatment Plant and the 185-N HGP Turbine Generator Plant). The area has been backfilled to existing grade.

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

N/A. Sampling Determination Form provides a listing and description of adjacent waste sites.

Section 3: List of Attachments

Sample Determination Form SDF-100N-039

 DOE-RL  Lead Regulator	Date 8/7/14 Date 8/10/14
<input type="checkbox"/> EPA <input checked="" type="checkbox"/> Ecology	

FACILITY STATUS CHANGE FORM

DISTRIBUTION:

EPA: Dennis Faulk, B1-46

Ecology: Wanda Elliott, H0-57

DOE: Rudy Guercia, A3-04

Document Control, H4-11 H0-30

Administrative Record, H6-08 100-NR-1 OU

SIS Coordinator: Benjamin Cowen, H4-22

D4 EPL: Chris Strand, L4-45

Sample Design/Cleanup Verification: Theresa Howell, H4-23

FR Engineering: Rich Carlson, H4-22

FR EPL: Dan Saueressig, X8-02

100-N ANCILLARY FACILITIES REMOVAL ACTION SAMPLING DETERMINATION FORM

Determination Number
SDF-100N-039

A. INSTRUCTIONS

This form must be completed to: 1) document existing data in order to determine if current data is suitable to prove completion of 100-N Ancillary Facilities, or 2) document that site-specific sampling and analyses are needed to provide completion for 100-N Ancillary Facilities.

B. GENERAL INFORMATION

Building Name: 100-N AOC Area 8 Building Number: N/A

WIDS Sites Associated or Adjacent:

Historical information reviewed indicates AOC Area 8 functioned primarily as a roadway and asphalted access area to various support buildings south of the 109-N Heat Exchanger. The building footprints and waste sites within AOC Area 8 have their own closure documents [Facility Status Change Forms for ancillary facilities and Remaining Sites Verification Packages (RSVPs) for waste sites]. Some waste sites do not have approved RSVPs in place, however backfill concurrence forms have been approved allowing backfill of the sites while the RSVPs are finalized.

100-N-8, 108-N Facility, 108-N CUF, Rejected, WSRF No. 2000-050.

100-N-10, 120-N-5 Facility Liquid Unplanned Release 2 (09/02/87), Rejected, WSRF No. 2000-052.

100-N-11, 120-N-5 Transfer Trench Liquid Unplanned Release 3, Rejected, WSRF No. 2000-053.

100-N-23, Resin Disposal Pit Liquid Waste Site 1, Interim Closed Out, RSVP-2013-009, WSRF No. 2013-009, Transmittal Letter dated August 6, 2013 (CCN 172204).

100-N-27, 108-N Sump, 108-N Neutralization Pit, Rejected, WSRF No. 2000-054.

100-N-58, South Pond, 120-N South Settling Pond, 1324-N South Settling Pond, Accepted, Closed Out, CVP-2001-00021, WSRF No. 2001-093.

100-N-84:1, 100-N Area Raw Water Pipelines, No Action, RSVP-2010-019, WSRF No. 2010-019, Transmittal Letter dated December 12, 2012 (CCN 169002).

100-N-84:3, 100-N Area Filtered and Potable Water Pipelines, No Action, RSVP-2010-020, WSRF No. 2010-020, Transmittal Letter dated November 14, 2012 (CCN 168594).

100-N-84:4, 100-N Area Steam and Condensate Pipelines, Accepted.

100-N-84:5, 100-N Area Sanitary Pipelines, Accepted.

100-N-84:6, 100-N Area Chemical and Process Sewer Pipelines, Accepted.

100-N-84:7, 100-N Area Unidentified and Other Miscellaneous Pipelines, No Action, RSVP-2011-092, WSRF No. 2011-092, Transmittal Letter dated May 30, 2012 (CCN 165808).

100-N-84:9, 100-N Area Active Raw Water Pipelines, No Action, RSVP-2010-019, WSRF No. 2012-012, Transmittal Letter dated December 12, 2012 (CCN 169002).

100-N-103:1, 100-N Steam Condensate French Drains (inactive), Accepted, No Action, RSVP-2011-114, WSRF No. 2011-114, Transmittal Letter dated 7/30/2012 (CCN 166823).

116-N-8, 163-N Mixed Waste and Hazardous Waste Container Storage Pad, 1330-N, 116-N-8 Storage Pad, Rejected, WSRF No. 2000-035.

120-N-2, 1324-N Surface Impoundment, Accepted.

120-N-5, 108-N/163-N Transfer Line and Neutralization Pit, Rejected, WSRF No. 2000-096.

100-N ANCILLARY FACILITIES REMOVAL ACTION SAMPLING DETERMINATION FORM

Determination Number
SDF-100N-039

Other:

Buildings within or near AOC Area 8 include the 105-ND Remote Air Intake, 108-N Chemical Unloading Facility, 151-N Electrical Substation, 153-N Electrical Switchgear Building, 163-N Demineralized Water Plant, 183-N/NA/NB/NC/ND/NE/NF Water Treatment Plant and support buildings, the 1330-N Waste Storage Facility, 1802-N Pipe Trestle, the 1900-N Water Supply Tanks and the 182-N High Lift Pumphouse. All wells within 10 feet from AOC Area 8 have been decommissioned.

C. INFORMATION SOURCES

Available information (list document number for each if applicable):

Historical Site Assessment: N/A

Site Walkdown: See Attachment 3

IH Characterization Report: N/A

Radiological Survey: See Attachment 4

IHC/FHC Document: N/A

WIDS/SIS: See Section B above.

PDSR: N/A

Facility Inspection: Visual Inspection (Attachment 3)

Waste Characterization Checklist: N/A

Summary Report: N/A

Other:

D. HAZARDOUS SUBSTANCES

Check all that apply:

- None
 Asbestos containing material
 Lead
 PCBs/PCB Articles
 Oils/Greases
 Chemicals List: _____
 Radiological Contamination
 Mercury/Mercury Devices
 Other: _____

References/Comments:

Liquids: Yes No

If yes, describe source and nature of liquids:

Were the hazardous substances removed from the facility prior to demolition? Yes No

As verified by what documentation:

The AOC is not a facility. Surrounding facilities have their own FSCFs.

Was there potential for hazardous substances to be introduced into the soils during facility operations or demolition? Yes No N/A

References/Comments:

Visual inspection performed (Attachment 3) confirming no staining or other anomalous conditions observed.

List any hazardous materials left in the building for demolition:

N/A

Does review of historical records and process knowledge indicate a potential for radiological or chemical contamination to be present in the facility?

No

Comments:

E. FIELD OBSERVATIONS

Visual Inspection

100-N ANCILLARY FACILITIES REMOVAL ACTION SAMPLING DETERMINATION FORM

 Determination Number
 SDF-100N-039

 Were any stained soils/anomalies discovered during or after demolition of the facility? Yes No

References/Comments:

 Were samples taken of the stained soils/anomalies? Yes No N/A

References/Comments:

 Do results of the samples indicate that chemical contamination exists? Yes No N/A

References/Comments:

 Is the area potentially a discovery site? Yes No

References/Comments:

Radiological Surveys

 Did radiological surveys (GPERS or equivalent) identify contamination? Yes No

References/Comments:

Radiological surveys of AOC Area 8 for gamma contamination using GPERS identified no contamination greater than 1.5 x background. A composite diagram of the survey is presented in Attachment 4. In addition, numerous in-process hand held surveys never indicated that radiological contamination was discovered south of the reactor or within the Field Remediation waste sites in AOC Area 8.

 Were samples taken of the radiologically contaminated soils? Yes No N/A

References/Comments:

 Is the area potentially a discovery site? Yes No

References/Comments:

 Were the contaminated materials removed? Yes No N/A

References/Comments:

F. WIDS SITES

 Were there any WIDS sites affected by D4 activities? Yes No

If yes, list the WIDS sites:

 Were the WIDS site(s) completely removed? Yes No

References/Comments:

See waste site data in Section B of this Sampling Determination Form.

 Will the Ancillary Facility Footprint be deferred to FR to be closed out with a co-located Waste Site? Yes No

References/Comments:

G. COPCs FOR SOILS AND STRUCTURES REMAINING AFTER DEMOLITION

What are the potential contaminants of concern for the remaining below-grade soil?

 None SVOC VOC Metals TPH Rad PCBs

 Other (Specify): _____

100-N ANCILLARY FACILITIES REMOVAL ACTION SAMPLING DETERMINATION FORM

Determination Number
SDF-100N-039

Comments:

Summary of in-process soil sampling requirements:
N/A

Constituents detected / concentrations / rationale
N/A

Sample Collection Summary
N/A

H. NOTES / ADDITIONAL INFORMATION

Check here if additional information / data / maps / sketches are attached to this form.

If checked, list the attachment(s):

Attachment 1. Photographs or AOC Area 8

Attachment 2. WIDS sites and wells around AOC Area 8

Attachment 3. Visual Inspection of 100-N AOC Area 8

Attachment 4. Global Positioning Environmental Radiological Surveyor (GPERS) survey of AOC Area 8

I. SAMPLING

Are soil samples required to demonstrate that remaining structure or below-grade soils meet cleanup standards? Yes No

Based on the above information it was determined that sampling: will will not be required in order to demonstrate that cleanup criteria have been met.

The individual below acknowledges that the review of this facility has been completed. He or she also commits to provide to the Department of Energy (DOE) and the Washington State Department of Ecology (Ecology) any available information that could alter the sampling decision established in this form.

Information Reviewer Signature



Printed Name

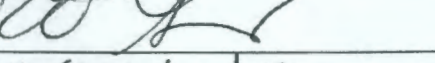
Dan Saueressig

Date

8/6/14

The regulatory representative below agrees with the decision outlined in section I of this form for the indicated facility and supports implementation of that decision based on the information currently available.

DOE Signature



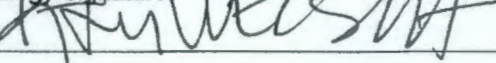
Printed Name

Rudy Guercia

Date

8/7/14

Ecology Signature



Printed Name

KIM WELSCH

Date

8/18/14