



Department of Energy

Idaho Operations Office

1955 Fremont Avenue
Idaho Falls, ID 83415

March 10, 2020

Ms. Lynne Hood, Remedial Project Manager
Site Cleanup Section 4
Environmental Protection Agency Region 10
Hanford Project Office
825 Jadwin Avenue, Suite 210
Richland, WA 99352

Mr. Pete Johansen, FFA/CO Program Supervisor
Waste Management and Remediation Division
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706 - 1222

SUBJECT: Transmittal of February 2020 Federal Facility Agreement and Consent Order
Monthly Report (CLN200807)

Dear Ms. Hood and Mr. Johansen:

In accordance with Section XVII, Reporting of the Federal Facilities Agreement and Consent Order (FFA/CO), transmitted herewith are copies of the February 2020 FFA/CO Monthly Report.

If you have any questions, please contact me at (208) 526-5793.

Sincerely,

A handwritten signature in black ink, appearing to read "Nolan R. Jensen".

Nolan R. Jensen, FFA/CO Project Manager
Department of Energy, Idaho Operations Office

Enclosure: INL Federal Facility Agreement and Consent Order Monthly Report

cc: S. D. Lee, MFC
C. Henvit, NR-IBO
F. P. Hughes, Fluor Idaho
M. Jewett, Fluor Idaho
Erik Whitmore, Fluor Idaho

ID RECORD PAGE

[This page and concurrence notes/emails for internal distribution only]

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Malmo, James A.

Natoni, Christian

Watson, Will

Flohr, Connie

Jensen, Nolan R.

RECORD NOTES:

1. This correspondence record belongs to: WDP/RWMC
2. This letter was prepared to transmit the February 2020 FFA/CO Monthly Report to the Agencies per the FFA/CO, Section 17.
3. This letter was prepared by Nolan Jensen.
4. This letter/memo closes Zeus number: NA
5. The attached correspondence has no relation to the Naval Nuclear Propulsion Program.

IDAHO CLEANUP PROJECT



**IDAHO NATIONAL LABORATORY
FEDERAL FACILITY AGREEMENT AND CONSENT ORDER (FFA/CO)
MONTHLY REPORT**

February 2020

FFA/CO Report

SCOPE

The Department of Energy – Idaho Operations Office (DOE-ID) through their contractors have responsibility for regulation-compliant characterization, assessment, and remediation of identified release sites listed in the Idaho National Engineering and Environmental Laboratory (INEEL) *Federal Facility Agreement and Consent Order (FFA/CO)*. Planned cleanup activities include excavation, removal, treatment, stabilization, containment, long-term monitoring, and institutional controls, as required to meet regulatory commitments. Activities are structured to effectively and efficiently conduct characterization, assessment, and remediation of all Waste Area Groups (WAGs) and identified release sites listed in the FFA/CO for the Idaho National Laboratory (INL).

The environmental cleanup is structured along the following administrative units:

1. WAG 1 – Test Area North (TAN) Remediation
2. WAG 2 – Reactor Technology Complex (RTC) Remediation (formerly Test Reactor Area –[TRA])
3. WAG 3 – Idaho Nuclear Technology and Engineering Center (INTEC) Remediation
4. WAG 4 – Central Facilities Area (CFA) Remediation
5. WAG 5 – Power Burst Facility/Auxiliary Reactor Area (PBF/ARA) Remediation
6. WAG 7 – Radioactive Waste Management Complex (RWMC) Remediation
7. WAG 8 – Naval Reactors Facility (NRF)
8. WAG 9 – Materials and Fuels Complex (MFC) (formerly Argonne National Laboratory-West ANL-W)
9. WAG 6/10 – Miscellaneous Soil Areas and Groundwater and Long-term Stewardship (LTS)

February 2020 ACCOMPLISHMENTS

- Waste received at the ICDF for the fiscal month February 2020:
 - Solid waste received at landfill: 207.92 m³
 - Liquid waste received at the evaporation ponds: 5 gal
- Continued ARP IX exhumation.
- The WAG 7 Vapor Vacuum Extraction and Treatment (VVET) system removed and treated approximately 125 pounds of total volatile organic compounds (TVOCs) from the vadose zone during the period from January 20th, 2020 through February 16th, 2020.
- Transmitted the FY 2020 1st quarter TAN L&V report on January 27th, 2020.
- Completed the TAN quarterly sampling event on January 22nd, 2020.
- Transmitted the 1st quarter FY 2020 WAG 3 report on January 29th, 2020.

Note: Summary totals may not agree with the sum of unit totals due to rounding

Organic Contamination in the Vadose Zone Remedial Action.	
Since the beginning of operations in January of 1996, the following amounts of VOCs have been removed and treated.	
Total Cumulative	Total Current Month
approximately 257,067 lb of TVOC approximately 143,195 lb of CCl ₄	approximately 125 lb of TVOC approximately 29 lb of CCl ₄
The cumulative below represents the entire volume per unit since the initiation of operations in January 1996	
Cumulative	Current Month
Unit D	
54,321 lb TVOC 22,778 lb CCl ₄	70 lb TVOC 8 lb CCl ₄
Unit E	
74,033 lb TVOC 42,992 lb CCl ₄	23 lb TVOC 9 lb CCl ₄
Unit F	
128,713 lb TVOC 77,425 lb CCl ₄	32 lb TVOC 12 lb CCl ₄

FFA/CO Documents:

- Transmitted the draft Phase 1 Interim Remedial Action Report for the Operable Unit 7-13/14 Targeted Waste Retrievals on February 13th, 2020.
- Transmitted the WAG 7 soil moisture and perched water monitoring letter report on February 13th, 2020.

Support Activities:

- Conducted routine operations at the NPTF, processed 2.5M gallons of water between January 20th, 2020 and February 19th, 2020.

ISSUES

None

90-DAY LOOK AHEAD

March

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP IX exhumation.
- Compile and report targeted waste retrieval and shipment data.
- Maintain CERCLA data management systems.
- Operate NPTF during weekdays to reduce TCE concentrations.
- Operate the VVET system 7 days a week, 24 hours a day.
- Transmit the draft FY 2019 TAN annual report.
- Complete ISB injections at TAN-1860.
- Complete TAN monthly sampling.
- Perform INTEC water system isolations.
- Transmit the draft FY 2019 WAG 3 annual report.

- Conduct Anthropogenic Water Committee meeting.
- Complete 2nd quarter FY 2020 Tank Farm remedy component inspection.
- Transmit the draft WAG 7 5-year monitoring report.
- Transmit the draft WAG 7 5-year O&M report.
- Perform quarterly Pad A inspection.
- Transmit the FY 2020 1st quarter Pad A inspection report.
- Transmit the draft FY 2019 WAG 4 annual report.
- Transmit the final FY 2019 WAG 10 biennial report.
- Submit public notification for the commencement of the CERCLA 5-year review.
- Complete the Five-Year Review toxicity data review.

April

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP IX exhumation operations.
- Compile and report targeted waste retrieval and shipment data.
- Maintain CERCLA data management systems.
- Operate NPTF during weekdays to reduce TCE concentrations.
- Operate the VVET system 7 days a week, 24 hours a day.
- Transmit the TAN 2nd quarter summary report.
- Complete TAN Quarterly sampling.
- Transmit TAN 2nd quarter L&V reports.
- Transmit the revised EDF-10116, OU 3-14 Phase II 90% Design Document as final.
- Complete WAG 3 perched water sampling.
- Complete semi-annual WAG 3 perched water level measurements and data downloads.
- Transmit draft FY 2019 IC and O&M report.
- Begin FY 2020 IC and O&M inspections
- Resume Westbay well rehabilitation.
- Prepare draft 5-year review.

May

- Continue ICDF operations and maintenance as required.
- Receive and dispose of waste in the ICDF.
- Continue ARP facility minimum required maintenance.
- Continue ARP IX exhumation operations.
- Compile and report targeted waste retrieval and shipment data.
- Maintain CERCLA data management systems.
- Operate NPTF during weekdays to reduce TCE concentrations.
- Operate the VVET system 7 days a week, 24 hours a day.
- Complete ISB injection at TAN-1860.
- Complete TAN monthly sampling.
- Complete WAG 3 aquifer sampling.
- Transmit the final WAG 7 5-year monitoring report.
- Transmit the final WAG 7 5-year O&M report.
- Complete WAG 7 annual sampling.

- Transmit the draft FY 2020 WAG 2 annual report.
- Prepare the draft NSI Part B for CPP-142.
- Prepare draft 5-year review
- Continue Westbay well rehabilitation.

Significant activities planned to occur in FY 2020:

- Perform annual institutional controls inspections.
- Continue operation of Environmental Data Warehouse and GIS Database.
- Perform site-wide groundwater monitoring as required by field sampling plans.
- Complete the FY 2019 OU 1-07B Annual Report.
- Complete the FY 2020 Annual Groundwater Monitoring Report for WAG 2.
- Complete NSI Part B for CERCLA site CPP-142.
- Complete the FY 2019 OU 3-14 Operations and Maintenance Report.
- Complete the FY 2019 Annual Groundwater Monitoring Report for WAG 4.
- Complete annual letter report for OU 7-13/14 Operations and Maintenance.
- Complete the FY 2019 WAG 10 Annual Groundwater Monitoring Report. **Complete**
- Complete the annual FY 2020 groundwater monitoring letter report for WAG 7. **Complete**
- Complete the annual soil moisture monitoring and reporting for WAG 7. **Complete**
- Complete the Westbay wells rehabilitation.
- Complete CERCLA O&M site inspections.
- Complete ISB injections at TAN.
- Complete the FY 2019 Annual INL Site-Wide Institutional Controls and Operations and Maintenance Report.
- Complete the WAG 7 groundwater monitoring five-year review report.
- Complete the WAG 7 operations and maintenance five-year review report.
- Submit the draft CERCLA five-year review report.