



Department of Energy

Idaho Operations Office
1955 Fremont Avenue
Idaho Falls, ID 83415

April 9, 2019

David Einan, Unit Manager
Environmental Protection Agency
825 Jadwin Avenue, Suite 210
Richland, WA 99352

Daryl F. Koch, FFA/CO Manager
Waste Management and Remediation Division
Idaho Department of Environmental Quality
1410 North Hilton
Boise, ID 83706-1222

SUBJECT: Transmittal of March 2019 Federal Facility Agreement and Consent Order Monthly Report (CLN191179)

Dear Mr. Einan and Mr. Koch:

In accordance with Section XVII, Reporting of the Federal Facilities Agreement and Consent Order (FFA/CO), transmitted herewith are copies of the March 2019 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]

ID DISTRIBUTION:

CONCURRENCE:

Email to: ! DOE-ID EDMS Correspondence (ASC)
Email to: ! Records Management
Jensen, Nolan R.
Malmo, James A.
Natoni, Christian
Watson, Will
Zimmerman, John P

RECORD NOTES:

1. This correspondence record belongs to: WDP/RWMC
2. This letter was prepared to transmit the March 2019 FFA/CO Monthly Report to the Agencies per the FFA/CO, Section 17.
3. This letter was prepared by Nolan Jensen.
4. This letter 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**

March 2019

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)

March 2019 ACCOMPLISHMENTS

- Waste received at the ICDF for the fiscal month March 2019:
 - Solid waste received at landfill: 36.70 m³
 - Liquid waste received at the evaporation ponds: 1,218 gal
- Completed ARP VIII waste exhumation on March 13th, 2019.
- Continued ARP IX preparations.
- The WAG 7 Vapor Vacuum Extraction and Treatment (VVET) system removed and treated approximately 142 pounds of total volatile organic compounds (TVOCs) from the vadose zone during the period from February 18th, 2019 through March 24th, 2019.
- Completed ISB injections at TAN on March 20th, 2019.

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 255,880 lb of TVOC approximately 142,860 lb of CCl ₄	approximately 142 lb of TVOC approximately 38 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	
53,757 lb TVOC 22,685 lb CCl ₄	68 lb TVOC 10 lb CCl ₄
Unit E	
73,766 lb TVOC 42,895 lb CCl ₄	30 lb TVOC 11 lb CCl ₄
Unit F	
128,357 lb TVOC 77,280 lb CCl ₄	44 lb TVOC 17 lb CCl ₄

FFA/CO Documents:

- Submitted the revised copies of NSI-26035 and NSI-26036 for agency signature on February 20th, 2019.

Support Activities:

- Processed 1.6 M gallons of water at NPTF. Note that NPTF shut down for maintenance on March 6th, 2019.
- Completed quarterly Tank Farm inspection on March 20th, 2019.
- Completed Pad A quarterly inspection on March 21st, 2019.
- Completed EDF-11158 for CPP-142 excavation on March 12th, 2019.

ISSUES

None

90-DAY LOOK AHEAD

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 preparation and begin exhumation.
- Compile and report targeted waste retrieval and shipment data.
- Maintain CERCLA data management systems.
- Resume NPTF operations during weekdays to reduce TCE concentrations.
- Operate the VVET system 7 days a week, 24 hours a day.
- Complete TAN Quarterly sampling.
- Complete WAG 3 perched water sampling.
- Transmit final WAG 4 Annual Report.

- Begin FY2019 institutional controls inspections.

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 WAG 3 aquifer sampling.
- Complete WAG 7 aquifer sampling.
- Submit FY 2018 IC/O&M Report for agency review.
- Submit 100% design of SDA cap for agency review.

June

- 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 TAN MNA sampling.
- Transmit final WAG 3 FY 18 Annual Report.
- Complete WAG 10 aquifer sampling.
- Begin CPP-142 field work.

Significant activities planned to occur in FY 2019:

- 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 2018 OU 1-07B Annual Report.
- Complete the Annual Groundwater Monitoring Report for WAG 2.
- Complete remediation of site CPP-142.
- Complete the FY 2018 OU 3-14 Operations and Maintenance Report.
- Complete the Annual Groundwater Monitoring Report for WAG 4.
- Complete annual letter report for OU 7-13/14 Operations and Maintenance - **Complete.**
- Complete the annual WAG 10 Annual Groundwater Monitoring Report.
- Complete the annual groundwater monitoring report for WAG 7.
- Complete the annual soil moisture monitoring and reporting for WAG 7.
- Complete the Westbay wells rehabilitation.
- Complete CERCLA O&M site inspections.
- Complete ISB injections at TAN.

- Complete the FY 2018 Annual INL Site-Wide Institutional Controls and Operations and Maintenance Report.
- Complete Part B determinations for sites PBF-39, TRA-83 and TRA-84.
- Complete the SDA cap design.