ICP Work Activity Descriptions (October FY13 – September FY14)

#: 1
Title: Spent Nuclear Fuels Facilities Surveillance and Maintenance

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Provide surveillance and maintenance to the following INTEC Spent Nuclear Fuels (SNF) facilities. Additionally, provide project management direction and support for the SNF facilities surveillance and maintenance.
A. CPP-603; CPP-603 has SNF currently stored in the Irradiated Fuel Storage Facility (IFSF).
B. CPP-666; SNF is currently stored in the CPP-666 basin pools.
C. CPP-749, CPP-2707, and West Valley casks; SNF and special nuclear material (SNM) are currently stored in CPP-749, CPP-2707, and the two West Valley casks.

SCOPE TO BE PERFORMED:
A. Maintain the SNF facilities and all SNF inventory in safe configuration through the contract period. Maintenance includes:
a. Management, staffing, and administration.
b. SNF technical leads and supervision.
c. Reviewing/revising implementing procedures.
d. Obtaining required samples and providing for sample analysis.
e. Replacement of minor equipment.
f. Implementation of SARs.
g. Training (for personnel assigned to this WBS only).
h. Issue Communication and Resolution Environment (ICARE), deficiency reports, and issues tracking.
i. Chemical tracking and control.
j. Self-assessment coordination.
k. Environmental compliance coordination.
l. Review of system description documents (SDDs) in support of configuration management recovery.
m. Internal and external audits, surveillances, assessments, and reviews.
n. Miscellaneous office supplies.
o. SNF Operations Office equipment, services, and vehicles.
p. Personal protective equipment.
q. Travel (dollars only for personnel assigned to this WBS).
r. Waste Generator Services.
s. Facility readiness process.
t. Truck loading for PEW disposal of low-level waste (LLW).
u. Corrective maintenance (CM) and preventive maintenance (PM) for tools and equipment used in these facilities.
v. Scheduled inspections performed as required by established frequencies.
B. Provide for management, staff, and administration for oversight of min. safe surveillance and maintenance for CPP-603, 666, 749, 2707 and West Valley casks.

C. Control account management and administrative support.
D. Engineering support for SNF facilities.
E. Providing production support manager, administrative assistant, and Program Planning and Integration (PP&I) manager and leads.
F. Material and other direct costs to support the account management team.
G. Monitoring surveillance and maintenance costs, and provide status.
H. Initiating and processing change control documentation, as required.
I. Support of ongoing program management functions including near term scheduling and tour support for DOE-ID.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Maintain all SNF inventory and SNF facilities in safe configuration through the contract period. This includes all necessary surveillance and maintenance to ensure safe configuration and facility integrity.
B. Maintain required nuclear safety basis documentation.
C. Annual reports for fuel received into and transferred out of SNF facilities during the fiscal year (in accordance with the Settlement Agreement).

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Surveillance and maintenance for CPP-603 includes CPP-603/-2710 emergency lighting and exit signs, radiation monitors, radiation area monitors (RAMs), constant air monitors (CAMs), IFSF ventilation system, transfer car, shuttle bin, shuttle bin camera, shield door camera, mezzanine camera, Cranes 401 and 101 camera, portable cameras, Cranes 401 and 101, freeze protection, fire door, corrosion monitoring, Distributed Control System (DCS) computer system, IFSF lighting, canister cover tool, and operations rounds and associated reporting.
B. Surveillance and maintenance for CPP-666 includes emergency lighting and exit signs, radiation area monitors (RAMs), constant air monitors (CAMs), corrosion monitoring, HVAC system, fire dampers and doors, water treatment, freeze protection, and operations rounds (excluding Fluorinel Dissolution Process Area [FDPA] RCRA reading and inspections) and associated reporting.
C. Staffing is planned for four 10-hour days (Monday through Thursday).
D. The tools and equipment necessary to support fuel receipts, transfers, and shipments already exist or will be provided by the specific project.
E. Planned activities, fuel receipts, and transfers will take place as scheduled so that inventories can occur as scheduled.
F. National security will remain at Security Condition (SeCon) Level.
G. CMs/PMs will be required for tools and equipment used in the facilities.
H. Maintenance activities in CPP-749 and CPP-2707 (corrective/preventive) will require radiological control technician (RCT) coverage.
I. Maintenance activities in the CPP-749 unirradiated area (corrective/preventive) will require escort by two (2) certified operators and one (1) security guard.
J. Maintenance activities in CPP-2707 (corrective/preventive) will require escort by a certified operator.

K. Required documentation has been developed and will require routine periodic reviews/updates only.

4. EXCLUSIONS:
A. Rework or repair of project-specific tools and equipment
B. Field changes needed to revise procedures used for project-specific fuel moves.
C. Safeguards Material Accountability support will be funded under the Security project baseline structure (PBS).
D. Any SNF/SNM receipts, transfers, and shipments or preparations needs.
E. Major corrective maintenance or upgrades to equipment.
F. Operations rounds exclude FDPA RCRA reading and inspections.
G. The CPP-666 Resin Bed Replacement Project, including the installation of VES-FT-134 off-loading station, is not included in this scope of work and is subject to the DOE-ID change control process. Upon such time the project is implemented, the transport and disposal costs for off-Site processing of LLW will be included in E.2.05.01.02, Waste Disposal Services.
H. Any preparations for facility mission changes.
I. De-inventory and/or analysis of Peach Bottom Cask (left with Oak Ridge fuel by previous contractor).
J. Support for non-target work. Project Management support for non-target activities will be funded and tracked separately.
K. Neither life-extension studies nor life-extension planning are included.
L. SNF long-term planning support is not included.
M. Tours in CPP-691.
N. Cathodic Protection Maintenance Cathodic Protection is covered in INTEC Infrastructure.

#: 2
Title: FRR/DRR Receipts

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The work scope for foreign research reactor (FRR) and domestic research reactor (DRR) fuel receipts maintaining the technical and physical capability to receive FRR and DRR fuel receipts at INTEC through the end of the contract period. During FY-13, the scope includes loading and sending Training, Research, Isotopes, General Atomics (TRIGA) FRR/DRR SNF currently located in dry storage at INTEC to Vienna, Austria. Also perform preparations for receiving one shipment of SNF from Vienna, Austria and receive, unload and store the SNF at the Irradiated Fuel Storage Facility (IFSF) (CPP-603).

SCOPE TO BE PERFORMED:
Maintain FRR/DRR Technical Capability:
A. Base activities that include project management and oversight for preparations and receipt of FRR/DRR SNF.
B. Preparations for fuel receipts such as the ICP leading the review and approval of required shipper's data (RSD) forms, performance of fuel inspections, performance of transfer checks and tamper-indicating device (TID) application prior to shipment of fuel, coordination of procedure revisions, and assistance in preparation of training plans.

C. Base activities that include a portion of INTEC area project management, oversight, and support.
D. Initiation and coordination of the procurement of baskets/buckets and cans for storage of TRIGA fuel at the INL Site (including NAC International [NAC] baskets and failed fuel cans) that will be used for storage of FRR/DRR fuels in the IFSF.
E. Initiation and coordination of the fabrication of stainless steel storage canisters, spacers, and lids for storage of TRIGA fuel at the INL Site.
F. Replacement of aging fuel examination equipment, as needed, to upgrade and/or replace equipment that has failed.
G. Initiation and coordination of procuring a waste "cargo" shipping container to package and ship carbon-steel storage canisters removed from IFSF to the Nevada Test Site (NTS) in FY-14.
H. Revision of MCP-2861, "Receipt of Spent Nuclear Fuel," to reflect lessons learned and ICP organizational changes, if needed.
I. FRR/DRR programmatic support (e.g., conferences and pre-assessment visits for outyear shipments).

Austria Fuel Loading/FRR Receipt (FY-13 only):
A. Retrieve and load in a NAC-LWT cask, up to 80 low burnup TRIGA elements from existing FRR/DRR SNF storage at INTEC to send to Austria for their use.
B. Receive, unload, and store SNF from Austria in IFSF.
C. Prepare Shipment Contents RSD forms to provide to Austria prior to sending the SNF to Austria.
D. Provide support for the preparations to receive, unload, and store SNF from Austria, including: review of remaining RSD forms; review of procedures; development and review of lift plans; development and review of engineering design files (EDF); and development of training plans, as needed.
E. Preventive maintenance and corrective maintenance of equipment in CPP-603 used exclusively for DRR/FRR fuel receipts.

A. Provide support for the preparations to receive, unload, and store SNF, including: review of remaining RSD forms; development and review of procedures; development and review of lift plans; development and review of safety basis documentation; development and review of engineering design files (EDF); and development of training plans, as needed.
B. Examination of fuel at the shipper’s facility prior to packaging.
C. Preventive maintenance and corrective maintenance of equipment in CPP-603 used exclusively for DRR/FRR fuel receipts.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Approval of RSD forms from identified shippers of FRRs or DRRs.
B. Maintenance of technical fuel inspection certifications for a minimum of two FRR/DRR program personnel during the period of performance.
C. SNF loaded and shipped in a NAC-LWT cask to Austria from IFSF.
D. SNF from Austria unloaded and stored in IFSF.
E. SNF unloaded and stored in IFSF.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. One pre-assessment visit will be performed annually with a future DRR/FRR shipper.

B. One fuel inspection visit will be performed annually with DRR/FRR shipper.

C. ICP employees will inspect SNF prior to shipment to identify issues related to long-term storage in the IFSF and/or with the IFSF safety basis.

D. The potential fuel to be received will be TRIGA fuel and will be stored in the IFSF.

E. The cask to be used is the NAC International (NAC) -Legal Weight Truck (LWT) cask.

F. Each cask will be unloaded within 7 calendar days

G. Any required cask yoke, cask yoke documentation, and associated cask equipment will be provided and shipped by others.

H. Specific SNF information will be bounded, for all shipments, by existing analysis and will not need a SAR-114 "Safety Analysis Report for the Irradiation Fuel Storage Facility (IFSF)," revision requiring DOE approval.

I. Two IFSF canisters will be required for each receipt.

J. Loading of the cask of fuel for shipment to Austria will occur in FY-13.

K. Loading of the SNF in Austria to ship to INTEC and the unloading at INTEC will occur in FY-13.

L. The fuel to be received from Austria will be Group 1 and Group 2 fuel and will require lid(s) to go on the baskets with Group 1 fuel prior to storage at IFSF. Fuel to be shipped to Austria will be all Group 2 fuel.

4. EXCLUSIONS:

A. Safeguards Material Accountability support, which will be provided by Battelle Energy Alliance, LLC (BEA).

B. SAR-114, "Safety Analysis Report for the Irradiation Fuel Storage Facility (IFSF)," yearly update changes. Maintenance of the required safety basis documentation for IFSF is scoped in SNF Surveillance and Maintenance.

C. Actions to address shipping noncompliances (e.g., cask license, seal, or shipping paperwork discrepancies; fuel identification discrepancies; or conditions discrepancies) found upon receipt.

D. Actions to address equipment issues (e.g., swivel eyebolt discrepancies, radiological contamination above specified limits, or equipment damage) found upon receipt.

E. Periodic (monthly) runs of the air compressor system will be part of the CPP-603 surveillance and maintenance scope of work.

F. Major corrective maintenance associated with CPP-603 Crane CRN-001.

G. Transportation, including transporting the empty and loaded cask, will be the responsibility of the cask vendor and/or Austria.

WBS: 3
Title: SNF Relocations

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The general work scope for Spent Nuclear Fuels (SNF) Relocations account includes the following:

A. Receive and store Advanced Test Reactor (ATR) SNF in Building CPP-666.
B. Receive a BEA provided HFEF-6 cask at the CPP-666 wet-storage basin, load EBR-II fuel containers (hereafter referred to as "fuel handling units" [FHUs]), and notify BEA cask is ready to complete the transfer from INTEC to the Materials and Fuels Complex (MFC).
C. Relocate the West Valley casks presently stored on railcars at INTEC to the CPP-2707 Pad. (Completed in FY14)

SCOPE TO BE PERFORMED:
A. ATR Fuel Receipts:
a. Prepare to receive and store up to 15 cask shipments of ATR SNF annually (in FYs 2013 through 2015). Receipt and storage includes receipt of the casks into CPP-666, preparation of receipt paperwork, fuel verification, unloading of fuel in the CPP-666 Fluorinel Dissolution Process and Fuel Storage facility (FAST) basin, and preparing empty casks for return to the ATR Complex.
b. Providing CPP-666 FAST S&M for the INTEC SNF facility tools and equipment that directly support SNF receipt and transfer activities.
c. Preparations for SNF transfers and receipts, including equipment design, equipment fabrication, safety basis documentation, environmental permits, safeguards and security documentation, procedures, and training and reviews for readiness.
d. Personal protective equipment to support activities identified in this work package.
e. Management, staff, and administrative support for activities identified in this work package.
f. Office equipment, supplies, travel, and vehicles to support activities identified in this work package.
g. Issues management for SNF transfers and receipts including Issues Communication and Resolution Environment (ICAREs) and nonconformance reports (NCRs).

B. EBR-II Retrieval, Loading and Shipping:
a. Completion of fuel transfer and other miscellaneous documentation to accomplish EBR-II transfers.
b. Retrieval and loading of 48 EBR-II FHUs in FY 2013 and 96 EBR-II FHUs in both FY 2014 and FY 2015 from INTEC to MFC into the shipping cask, based on the INTEC plan for shipments. Eight FHUs will be loaded into one EBR-II fuel can (CAN-SF-56-X overpack insert), and two overpack inserts will be loaded into the HFEF-6 cask for each shipment to MFC. There will be a total of 16 FHUs shipped in each HFEF-6 cask shipment to MFC.
c. Support of Battelle Energy Alliance (BEA) within the INTEC-controlled area with cask shipment documentation for each transfer to MFC.
d. Resolution of technical issues and quality concerns identified during fuel transfers.
e. Oversight and support to maintain safe working conditions, radiological work permit (RWP) compliance, and as low as reasonably achievable (ALARA) goals during transfers.
f. Dispose of waste generated at INTEC during the project, including EBR-II container racks and other miscellaneous tools and equipment.
g. Maintenance of pool area equipment and tools, excluding general use fuel handling tools and equipment, for service during EBR-II activities.
h. Design/fabrication/modification of handling tools, excluding general-use fuel handling tools, as needed.

i. Procedure revisions, as needed.
j. Facility surveillance and maintenance (S&M) associated with CPP-666 fuel handling equipment, based on the number of shifts planned for the work.

C. West Valley Casks Relocation:
a. Develop, manage, monitor and track a detailed project to support and accomplishment of the West Valley cask relocation including analysis, design, inspection, procurements and physical site preparation activities to relocate West Valley casks from the railcar to CPP-2707 Pad storage location at INTEC.
b. Manage project scope and associated design as necessary to support the cask relocation.
c. Review and identify all Regulatory, Permitting, and Procedural documents requiring development and changes.
d. Maintain resource-loaded Baseline project schedules.
e. Report progress (at the Control Account level) on a monthly basis (e.g., staffing, variance analysis, etc.) on the performance tracking reports.
f. Perform Value Engineering (VE) session with appropriate subject matter experts (SME) as needed.
g. Accomplish design for lifting and movement to relocate the casks.
h. Accomplish required seismic/wind analysis for storage of West Valley casks on CPP-2707 pad.
i. Accomplish criticality analysis for movement and storage of the casks on CPP-2707 pad.
j. Accomplish review and revise safety basis (SAR and list changes).
k. Develop a plan to transport casks between railcar and CPP-2707 pad.
l. Maintain security plan for casks.
m. Identify and accomplish training of fuel handling operators to support cask transport.
n. Initiate development of Management Self-Assessment (MSA) and Readiness Assessment (RA) Plan as required.
o. Conduct an MSA and Pre-job brief to demonstrate readiness to transfer the casks and store on the CPP-2707 pad.
p. Identify and procure the transport vehicle and lifting means to handle each West Valley cask.
q. Evaluate lessons learned from other similar heavy lift and transport operations as part of the project development and at the conclusion of the project.
r. Management, staff, and administrative support for activities identified in this work package.

#: 4
Title: Resin Bed Replacement

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Spent ion exchange (IX) resin material is currently stored in the Chemical Processing Plate (CPP)-666 resin holding tanks and active resin IX columns at the Idaho Nuclear Technology and Engineering Center (INTEC) located at the Idaho National Laboratory (INL) Site. The spent IX resin will be transferred to subcontractor supplied equipment, subcontractor will dewater sufficiently for direct shipment to an approved radiological waste disposal site or ship the resin

off-site to prepare the spent resin for disposal in an approved radiological waste disposal site and then transport prepared waste to the disposal site for disposal. INTEC will replace the spent active IX column resin with new resin. The spent IX resin will be shipped off-site and the waste water dispositioned, assuming adequate funding for scheduled delivery of materials, equipment, procedures, and operations.

DOE-ID is the landlord for the INL for the Idaho Cleanup Project (ICP). The INTEC CPP-666 Fuel Storage Basin Resin Bed Replacement is an ICP subproject and will be managed consistent with the requirements of DOE Order 413.1A, including environmental, nuclear and non-nuclear safety and health management.

DOE-ID is responsible for directing ICP to implement the scope of the INTEC CPP-666 Fuel Storage Basin Resin Bed Replacement, including maintenance and operations, provision of designs, hardware, and documentation, and compliance with contractually applicable state and federal regulations and DOE Orders.

SCOPE TO BE PERFORMED:
The objective is to support the completion all CPP-666 fuel storage basin IX resin bed disposal and replacement by June 30, 2015 by performing the following scope:
A. Disposal of Holding Tank Resin --- Preparations, training, readiness activities, and support for the transfer to the Subcontractor equipment for treatment of the resin for disposal of the resin currently in the resin storage tanks.
B. Transfer of IX Column Resin --- Preparations, training, readiness activities and transfer of the spent resin in the IX columns to the resin holding tanks within the facility.
C. Disposal of Holding Tank Resin --- Preparations, training, readiness activities, and support for the transfer to the Subcontractor equipment for treatment of the resin for disposal of the IX column resin.
D. Resin Replacement --- Preparations, training, readiness activities, and replacement of the IX column resin and return of the IX Columns back to service.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
- Detailed cost estimate for the Resin Bed Replacement Project
- Resin Bed Replacement Project Management
- Completed transfer of the resin currently in the holding tanks to subcontractor equipment
- Subcontractor disposal of the resin currently in the holding tanks at an approved radiological waste disposal site
- Completed transfer of the IX column resin to the holding tanks
- Completed transfer of the resin of the IX Column resin previously transferred into holding tanks from the holding tanks to the subcontractor equipment
- Subcontractor disposal of the resin of the IX Column resin previously transferred into holding tanks at an approved radiological waste disposal site
- New resin loaded in to IX columns
- IX columns back online after resin replacement
- Processed waste water generated from the disposal of resin and replacement of the IX column resin activities

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. A half-time project manager is required to manage the schedule risk for the project

B. In order to mitigate the schedule risk (complete resin shipment off-site by June 30, 2015) winter operations are assumed which requires a temporary facility

C. A SAR revision will not be required

D. The holding tank transfer system and piping within the FAST facility will not require any engineering modifications

E. The complexity of disposal of the holding tank resin requires a DOE readiness assessment

F. The on-going tank farm operations (supporting IWTU) do not significantly impact the transfer and processing of the VES-FT-134 contents

G. A dedicated operations crew of one (1) supervisor and three (3) nuclear fuel operators are available to support disposal of the holding tank resin and IX column resin beginning August 2014

H. Like the existing resin in the holding tanks, the resin in the IX columns is not RCRA waste

I. For transfer of spent resins from IX columns, all systems are operable and will not require any modifications prior to use (other than minor repairs)

J. The complexity of transfer of spent resins from IX columns requires a DOE readiness assessment.

K. For disposal of IX column resin, limited system testing and readiness activities (checklist) are possible because the similar activity of the disposal of IX resin from the resin holding tanks was performed in the prior year

L. The decommissioning and demolition of the temporary facility constructed in Disposal of Holding Tank Resin, is necessary for contract closeout

M. The same crew consisting of one (1) supervisor and three (3) nuclear fuel operators that performed the disposal of IX resin from the resin holding tanks work previously is available to perform the disposal of IX column resin work. Therefore, only refresher training is required

N. The complexity of the resin replacement activity requires a DOE readiness assessment

O. The subcontractor requires 9 weeks to prepare equipment and arrive on site

P. The subcontractor requires 4 weeks to mobilize which will include time required to complete necessary training.

Q. The subcontractor will demobilize after emptying the 1st batch of resin and remobilize prior to emptying 2nd batch of resin

R. Resources will be available to support the scheduled need (Facilities, Operations Crews, Engineering, Fabrication Shop, etc.)

S. All services will be provided by ICP except emergency preparedness/facility protection, security, machinist and supervisor when INL machining services are utilized, and facility support services

T. All labor resources required will be available

U. The execution of this work scope requires close coordination with other ICP projects including Navy shipments, ATR receipts and DRR/FRR receipts which may use the same resources, facilities, and equipment

V. Personnel down time due to delay or failure of the subcontractor activities while executing this work will be charged to this account.

4. EXCLUSIONS:
- Delays in subcontractor submittals and task execution are not accounted for.
- Delay in delivery of subcontractor services is not accounted for.

#: 5
Title: NRC Licensed SNF Storage Facilities

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The general work scope for Nuclear Regulatory Commission (NRC) facilities includes performing management and oversight for safe storage of spent nuclear fuel (SNF) in each of two NRC-licensed facilities: the Fort St. Vrain (FSV) Independent Spent Fuel Storage Installation (ISFSI) in Colorado and the Three Mile Island, Unit 2 (TMI-2), ISFSI at Idaho Nuclear Technology and Engineering Center (INTEC) (CPP-1774). These facilities will continue to comply with all license basis requirements. In addition, ICP shall support DOE-ID with compliant management of the NRC license for the Idaho Spent Fuel Facility (ISFF). ICP shall also support the ongoing TMI-2 Nuclear Regulatory Commission (NRC) license renewal activities, including response to requests for additional information (RAIs) from the NRC. These activities will form the basis of the NRC license renewal application due to the NRC 2 years prior to license expiration, or 2017.

SCOPE TO BE PERFORMED:
A. The work scope provides for management, staffing, and administration for oversight and operations of the FSV ISFSI, the TMI-2 ISFSI, and the ISFF. Refer to the respective work scope for the specific scope for each facility.

B. Management of TMI-2 ISFSI license renewal.

C. License renewal support for TMI-2 ISFSI (PLN-3660, "Three Mile Island Unit 2 Independent Spent Fuel Storage Installation License Renewal"), which includes:
1. Scoping evaluation.
2. Aging management review.
3. Time-limited aging analyses.
4. License basis document changes.
5. Development and submittal of renewal application.
6. Interface/meetings with DOE/NRC and responses to RAIs.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Management, staffing, administration for oversight and operations
1. An organization chart.
2. Fuel receipt and transfer records, if applicable.
3. ICARE closure documents (e.g., discrepancy reports and supporting information).
4. Chemical tracking and control report (for the FSV facility).
5. Self-assessment reports.
6. Environmental compliance reports.

7. Training and qualification records (for personnel supporting this work breakdown structure [WBS] only).
8. Formal response to RAIs.
9. Provide mandatory and elective services.
10. Administrative support.
11. Monthly performance tracking reports (at the control account level).
12. A project execution plan for TMI-2 NRC license renewal.

B. Procurement
1. Purchase orders for chemicals and gases for ISFSI storage operations.
2. Subcontracts for subcontractor support services, as needed.
3. Materials for TMI-2 ISFSI operations and for project-specific needs.

C. Operation
1. ISFSI operating and surveillance records.
2. Hydrogen sample results (for TMI-2).
3. Tritium sample results (for FSV).
4. License and/or regulatory reports, as required.
5. Five-year leak test results (FY 2015) (for FSV and TMI-2).
6. An Up-to-date Commitments Management Program for NRC commitments.
7. Self-assessment reports.
8. Annual material status inventory reports.
9. Radiological survey reports.
10. A biennial emergency exercise report (FY 2014)

D. Core support
1. Maintenance of current procedures and operational documents.
2. Records managed in accordance with requirements.
3. Physical Protection Plan (PPP) is current and any changes to the PPP as a result of a new security contractor will be addressed and approved as required.
4. Warehousing space and support for critical spares associated with TMI-2 ISFSI operations.

E. Engineering support
1. Engineering design files and field change forms to support facility operations and licensing activities.
2. Activities to support compliant management of facility licensing.

F. Safety Analysis Report support
1. 10 Code of Federal Regulations (CFR) 72.48, "Changes, tests, and experiments", and 72.44, "License conditions", screens and evaluations.
2. Safety analysis report (SAR) update reports as required by NRC.
3. SAR changes as required.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
The following key assumptions were used in preparing this estimate:

A. Licensed storage facilities will be maintained and operated in accordance with their NRC license requirements until the spent nuclear fuel is removed, including recovery work to return a facility to compliance with its NRC license requirements or safety basis.
B. Staffing is planned for four 10-hour days (Monday through Thursday), except as necessary to support minimum safe requirements.
C. The results of sample analyses will indicate that the dry fuel-storage process and systems are operating within the approved safety basis.
D. NRC regulations will not change significantly, and the annual licensing fees will remain approximately the same as charged in FY 2011.
E. National security will remain at SeCon Level 3, or lower.
F. The required biennial emergency exercise will be developed by the existing subcontract. The next emergency exercise will be performed in FY 2014.
G. The security subcontract controlled by DOE will include provisions for maintenance and replacement of exercise equipment provided for the security force.
H. Division of Responsibility will be negotiated with DOE-ID and the new security contractor before 1 October 2012. Some changes to oversight defined above may occur.
I. There is a limited scope of work to maintain compliant management of the NRC license with no significant changes.
J. There is no foreseeable plan to construct and operate the ISFF.

4. EXCLUSIONS:
None

#: 6
Title: RH TRU Waste Disposition

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This work scope provides for Fiscal Year (FY) 2013 - 2014 scope for Remote Handled (RH) Transuranic (TRU) Waste Disposition Project activities required to support disposition of Environmental Management owned RH waste. This project account includes eight major scope work. The major work activities include:

A. TRU Technical Support
B. Storage and Transportation Operations
C. Facility Modifications
D. Processing Operations
E. Secondary Waste Treatment and Disposal
F. RH TRU Waste Disposition Program Management
G. Central Characterization Project
H. Sodium Distillation System (GPP)
I. Analytical Chemistry Lab Transition

As a result of the impacts created by the Waste Isolation Pilot Plant (WIPP) closure (i.e., The radiological release that occurred at WIPP on February 14, 2014, has resulted in a suspension of future shipments to WIPP pending completion of recovery actions)
1. Complete only two RH TRU waste shipments to WIPP in FY 2014 (see deliverables section)

2. Complete zero shipments of RH TRU waste to WIPP in FY 2014 (see deliverables section)
3. RH-TRU from containers in Lot 1, Lot 3, Lot 4, Lot 5, and Lot 8 shall be repackaged, characterized, certified, and placed in compliant storage for future shipment to WIPP, transferred to the Advanced Mixed Waste Treatment Project (AMWTP) contractor as CHTRU, or disposed of at an appropriate mixed low-level waste / low-level waste (MLLW/LLW) disposal facility no later than September 30, 2015 (see deliverables section)
4. Add budgeted cost of work scheduled to initiate transition of the AMWTP Analytical Chemical Laboratory (ACL) to the Idaho Cleanup Project no later than September 1, 2014. ICP will be responsible for ACL operations starting October 1, 2014. Final transition activities will be completed by December 31, 2014.

SCOPE TO BE PERFORMED:
The specific work scope of each of the RH TRU Waste Disposition project is described below.

A. TRU Technical Support

This work package provides for FYs 2013 through 2015 scope for the technical support associated with evaluating and managing ICP TRU waste-streams.

These technical activities include preparation of waste repackaging configuration reports supporting development of RH-TRU 72B transportation codes; preparation of dose conversion factor reports; annual preparation of the Annual Transuranic Waste Inventory Report to WIPP; preparation of technical engineering design files addressing waste stream specific evaluations; and providing technical input and direction as required to address waste repackaging, characterization, or waste stream approval issues. Also included is ICP support for performing review and approval of Central Characterization Project (CCP) programmatic documents required for obtaining waste-stream approval. These documents include but are not limited to the Acceptable Knowledge Summary Report, Radiological Characterization Technical Report, Certification Plan, sampling and analysis plans, characterization batch data reports, RH-72B cask transportation codes, and of Environmental Protection Agency Tier 1 inspection support documents.

B. Storage and Transportation Operations

This work package provides for FYs 2013 through 2015 scope for storage and transportation operations activities required to support disposition of RH-TRU waste. This work package provides the following general work scope in support of the RH-TRU Waste Disposition Project:

1. Movement of RH-TRU Project waste material within the INTEC area.

2. RH-TRU Project waste storage equipment at INTEC.

3. RH-TRU project waste-handling equipment at INTEC.

4. Compliant waste storage and performance of periodic storage inspections at INTEC.

5. Transport of RH-TRU waste containers currently in storage at MFC to INTEC for compliant storage prior to waste processing as required (FY 2013 Only).

6. Transport of Suspect RH-TRU waste containers currently in storage at AMWTP from Radioactive Waste Management Complex (RWMC) to INTEC for compliant storage prior to waste processing (FY 2013 Only).

7. Return of non-RH-TRU waste-product containers (i.e. low level waste, contact-handled (CH)-TRU, secondary waste, etc.) from INTEC to the AMWTP contractor at RWMC.

8. RH-TRU waste transportation equipment supporting waste transfers between RWMC, MFC, and INTEC (FY 2013 Only).

C. Facility Modifications

This work package provides for FYs 2013 through 2015 scope for facility modification activities required to support disposition of RH TRU waste. Planned modifications at CPP-666 in FY 2013 include development and installation of a Argon Repackaging Station in the Fluorinel Dissolution Process (FDP) hot cell. Other Project Costs work scope (i.e., operating work scope required to complete a General Plant Project (GPP) that is not part of the asset value) supporting development, fabrication, installation, and startup of the Sodium Distillation System (SDS) in CPP-666 for the 22 mixed transuranic and six alpha mixed low-level waste containers is also included in this work package.

Contract Modification 241 incorporates Item 4 (Procurement of FDP Cell Master Slave Manipulators Critical Spare Parts) from Exhibit C.13 into the ICP contract. The scope of this contract modification authorizes the procurement of critical spare parts for Master Slave Manipulators and the PaR essential to CPP-666 FDP Cell operations in FY 2013.

Contract Modification 250 incorporates the below activities from Exhibit C.13 into the ICP contract. The specific items include the following:

A. Remove abandon electrical wiring and as-build drawings for the FDP cell crane (CRN-905) (FY 2013)

B. Procure critical spare circuit boards and refurbish for the FDP cell crane (CRN-905) (FY 2013)

C. Increase electrical supply to FDP cell (FY 2013)

D. CPP-666 Ventilation System Upgrade (FY 2013)

E. Procure FDP Cell Spare Manipulators (FY 2014)

F. Upgrade FDP Cell Hoist (FA-901) (FY 2014)

G. Procure CPP-666 FDP Cell Critical Spares (FY 2014)

Contract Modification 252 incorporates the suspension work on Exhibit C.8-13, Item 15 for engineering evaluation of the crane due to insufficient fiscal year 2013 funding. The item is being added to reflect the incurred costs for work performed.

D. Processing Operations

This work package provides for FYs 2013 through 2015 scope for process operations support required to support disposition of RH waste disposition project waste. This work package provides for processing operations involving storage, repackaging, characterization, sodium treatment, and transportation preparation for achieving disposition of RH-TRU waste. This waste will be disposed of at the WIPP or other U.S. Department of Energy (DOE) or commercial LLW or MLLW disposal facilities.

E. Secondary Waste Treatment and Disposal

This work package provides for FYs 2013 through 2015 scope for secondary-waste treatment and disposal activities required to support disposition of RH-TRU waste.

F. RH TRU Waste Disposition Program Management

This work package provides for FYs 2013 through 2015 scope for program management and level-of-effort support required to support disposition of RH waste disposition project waste. The Program Management work package includes the following major activities:

1. Control Account Management and Project Controls
2. Process Operations Level-of-Effort Support
3. Secondary Waste Treatment and Disposal Level-of-Effort Support

G. Central Characterization Project

This work package provides for FYs 2013 through 2015 scope for the Washington Transuranic Solutions CCP for support to achieve disposal of RH-TRU waste at the WIPP. CCP is the national certified authority for performing characterization, certification, and transportation activities for RH-TRU waste to be disposed of at WIPP. Additionally, this work package provides work scope for the FY 2015 operation of the TRU Analytical Chemistry Laboratory.

H. Sodium Distillation System (GPP)

The DOE Idaho Operations Office (ID) Contracting Officer (CO) has recently provided written communication to ICP about future SDS use and has said they intend to utilize the SDS post 2015. Based on this new direction from DOE, a funding determination for the SDS project was completed. Because the CPP-666 SDS exceeds the minimum $500,000 Capital Limit and has a useful life greater than 2 years (based on DOE CO direction), it qualifies as a GPP.

This package provides for the FYs 2013 and 2014 TEC work scope (i.e., work scope that make up the asset value of the equipment) supporting development, fabrication, installation, and partial turnover to operations of the SDS in CPP-666 for the 22 mixed transuranic and six alpha mixed low-level waste containers.

I. Analytical Chemistry Lab Transition

This package initiates transition of the Advanced Mixed Waste Treatment Project (AMWTP) ACL to ICP no later than September 1, 2014, and to complete physical transfer of the laboratory, personnel and equipment by September 30, 2014. ICP will be responsible for ACL operations starting October 1, 2014. Remaining implementation activities will be completed by December 31, 2014.

A Memorandum of Understanding (MOU) will be established to assist AMWTP and ICP in the orderly transfer of the ACL facility, equipment and personnel to ICP. The planned approach is to maintain current ACL operating capability to allow continued analysis of radiochemical samples from the ICP RH TRU Lot 5C waste stream in parallel with planned transition activities.

ICP will work with the AMWTP Information Technology organization to setup a common server to support transfer of ACL documents. The ACL records, procedures, engineering drawings, and work control documents will be uploaded to the server and down-loaded by ICP to initiate necessary internal reviews, revisions and approvals to allow incorporation into the ICP Electronic Data Management System (EDMS). Environmental and safety evaluations will be completed to support transfer activities. Review of ACL quality plans will be completed to ensure compliance with ICP Quality Program. Engineering documents, such as ACL drawings and preventative and corrective maintenance work orders, will be evaluated and transferred to the ICP EDMS and Passport systems. The servers (DUNE and RAMA) that support current ACL analytical operations will be moved to ICP locations as an interim measure to maintain continuity of laboratory operations through transition. Due to the age of the DUNE server and reliability concerns, an upgrade to a new server has been planned. Replacement servers will be procured in FY 2014 and installation and switch over completed in the 1st quarter of FY 2015.

Laboratory operating documents and procedures will be converted to ICP documents. Documents that were not required by AMWTP after transition in April 2011 will be reviewed, revised and reinstated. Radiological controls will be evaluated and implemented as necessary to meet ICP requirements. Training qualification and job codes will be evaluated and implemented. A replacement gamma detector and/or system operating software is planned to upgrade the existing gamma spectrometry system. Existing paper records will be transferred to records storage and electronic records transferred to EDMS. An operational safety board review will be completed to verify laboratory readiness to operate under ICP requirements. Current laboratory procedures and supporting documents will be "blue-sheeted" for transfer by September 30, 2014. Incorporation of blue-sheeted procedures and documents into ICP format requirements will be completed by December 31, 2014.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

.

Milestone Description	Milestone Type	Completion Date
DOE-CBFO Provide Lot 3 Radiological Characterization Technical Report	E6_GFSI	3/31/2013
DOE-CBFO Provide Waste Stream Approval Authority for Lot 3 (Bettis Lab Homogeneous Solids)	E6_GFSI	3/31/2014
DOE-CBFO Provide Waste Stream Approval Authority for Lot 4C (MFC Debris Pb Gloves - CH TRU)	E6_GFSI	3/31/2013
DOE-CBFO Provide Waste Stream Approval Authority for Lot 5 (MFC Wastes)	E6_GFSI	2/28/2014
DOE-CBFO Provide Lot 6 AK Summary Reports	E6_GFSI	12/31/2012
DOE-CBFO Provide Lot 6- Sampling and Analysis Plans	E6_GFSI	6/30/2013
DOE-CBFO Provide AK Summary Report and Sampling and Analysis Plan for Lot 7 (MFC Alpha Mixed LLW)	E6_GFSI	9/30/2014
DOE-CBFO Provide AK Summary Reports and Sampling and Analysis Plans for Lot 8 (AMWTP RH TRU Waste)	E6_GFSI	3/31/2013
DOE-CBFO Provide Waste Stream Approval for Lot 8 (AMWTP RH TRU Waste)	E6_GFSI	6/30/2014
DOE-CBFO Provide AK Summary Report and Sampling and Analysis Plan for Lot 9A (AMWTP Suspect RH TRU Waste-ANLE-Bins)	E6_GFSI	6/30/2013
DOE-CBFO Provide AK Summary Report for Lot 9B (AMWTP Suspect RH TRU Waste-Sources)	E6_GFSI	3/31/2013
DOE-CBFO Provide AK Summary Report and Sampling and Analysis Plan for Lot 9C (AMWTP Suspect RH TRU Waste-Sample Fuel)	E6_GFSI	3/31/2015
DOE-CBFO Provide AK Summary Report and Sampling and Analysis Plan for Lot 9D (AMWTP Suspect RH TRU Waste-BN-505 Misc Container)	E6_GFSI	3/31/2014
DOE-CBFO Provide AK Summary Report and Sampling and Analysis Plan for Lot 9E (AMWTP Suspect RH TRU Waste-Unknown Miscellaneous Container)	E6_GFSI	5/31/2014
DOE-CBFO Provide Waste Stream Approval Authority for Lot 9F (AMWTP Suspect - Source Material)	E6_GFSI	8/31/2014
DOE-ID Provide Acceptable TRU Analytical RCRA and Radiological Sample through AMWTP Contractor	E6_GFSI	10/1/2012
DOE-ID Provide Acceptable TRU Analytical RCRA and Radiological Sample through AMWTP Contractor	E6_GFSI	10/1/2013
DOE-ID Provide Acceptable TRU Analytical RCRA and Radiological Sample through AMWTP Contractor	E6_GFSI	10/1/2014
DOE-CBFO Provide Resource Support for 14 Shipments FY 2013	E6_GFSI	9/30/2013
DOE-CBFO Provide Resource Support for 2 Shipments FY 2014	E6_GFSI	9/30/2014
Complete EM Repackaging Operations in CPP-666 FDP Cell	E5_Contractual	9/30/15
Complete waste certification of Lot 1, Lot 3, Lot 4, Lot 5, and Lot 8 (AMWTP) Product Containers to WIPP	E5_Contractual	9/30/2015
Complete Initial Repackaging of Lot 6 and Lot 7 Waste Containers	E5_Contractual	9/30/2015
Complete Repack of Lot 2 Waste Containers including Lot 2a Rework Containers	E5_Contractual	9/30/2015

Open and Inspect Suspect RH TRU Containers, repackage RH TRU Containers; return non-RH TRU to AMWTP - E5_Contractual - 9/30/2015
DOE-AMWTP Provide Suspect RH TRU Pu/Neutron and Miscellaneous Sources for Shipment to INTEC - E6_GFSI - 11/30/2012
DOE-AMWTP Provide Suspect RH TRU ANLE Bins for Shipment to INTEC - E6_GFSI - 2/28/2013
DOE-AMWTP Provide Suspect RH TRU Miscellaneous Drums (BN-508) for shipment to INTEC - E6_GFSI - 9/30/2013
DOE-AMWTP Provide Suspect RH TRU Miscellaneous Drums (Unknown) for Shipment to INTEC - E6_GFSI - 9/30/2013
DOE-AMWTP Provide Suspect RH TRU Source Material for Shipment to INTEC - E6_GFSI - 9/30/2013
DOE-AMWTP Provide Suspect RH TRU Sample Fuel for Shipment to INTEC - E6_GFSI - 9/30/2013
Complete Startup of Na Recovery System (Distillation) in CPP-666 - I3_Internal - 9/30/2013
Analytical Chemistry Laboratory Transition Complete _ I3_Internal - 12/30/2014

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Storage and Transportation Operations

1. The Battelle Energy Alliance, LLC (BEA) Haul Road from MFC to INTEC will be used to support waste transportation activities. Highway closures are not planned in this account in support of waste transport from MFC to INTEC.

2. BEA and AMWTP shipments are provided as government furnished services and items to ICP.

3. BEA and AMWTP are responsible for ALL activities required to prepare waste for shipment. ICP will only accept compliantly packaged and documented waste for shipment.

B. Facility Modifications

1. The operational startup of the CPP-666 SDS will be limited to a contractor management self-assessment.

C. Processing Operations

1. Process operations characterization and shipping capability will remain at CPP 659 FY 2013 - FY 2015.

2. Waste with no path forward for disposal and/or nuclear material not acceptable at WIPP for disposal will be packaged and returned to MFC or AMWTP or stored at the INTEC as directed by DOE.

3. Product drums requiring sodium treatment will not be characterized until treatment has been completed.

4. Characterization is defined as product drums having completed data collection for real time radiography and dose-to-curie.

5. DOE provides RH-72B casks to support the ICP shipping schedule.

D. Secondary Waste Treatment and Disposal

1. Commercial facilities treatment/disposal costs remain constant, with increases consistent with standard escalation rates.

2. Nevada National Security Site (NNSS) profiles will be approved by the DOE Radioactive Waste Acceptance Program.

3. Crane rentals at NNSS will not be required.

4. Waste with no path forward for disposal and/or nuclear material not acceptable at WIPP for disposal will be packaged and returned to MFC or stored at INTEC.

5. DOE and commercial treatment, storage, and disposal facilities are available to treat the LLW and/or MLLW generated by the project.

6. The generation rate for secondary-waste volumes will remain consistent with historical averages for the project

E. Central Characterization Project

1. Samples collected for either RCRA or radiochemical analysis from any waste stream does not contain interring matrices or other attributes that require special analysis or technique development.

2. Analysis of radiochemical and RCRA samples can be completed in two months.

3. AMWTP TRU Analytical Laboratory operating costs will be equally shared between the ICP, AMWTP, and CCP/DOE-CBFO during the time period of performance of FY 2013.

4. The AMWTP TRU Laboratory will be able to perform RCRA and radiochemical analysis of RH-TRU waste samples and meet data quality objectives and requirements. Dose rates are low enough to preclude need for sample preparation at the Remote Analytical Facility, or use of an alternate laboratory, prior to transfer to the AMWTP TRU Laboratory for analysis.

5. Analytical Laboratory costs will not exceed of $99.5K per month.

6. DOE-CBFO continues to provide direct funding to the BEA Environmental Chemistry Laboratory for analysis of headspace gas samples.

7. Headspace gas sampling is not required for homogeneous solids per the WIPP permit.

8. No Dose Conversion Factor (DCF) development is required. DCFs previously developed for other waste lots will be applicable.

9. Any fuel material in Lots 1 through 6 and AMWTP waste will meet DOE M 435.1-1, DOE Radioactive Waste Management Manual, requirements: Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste and managed in accordance with the requirements of this Order [DOE O 435.1, Radioactive Waste Management] when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material, and be qualified as RH-TRU waste for disposal at WIPP.

F. Sodium Distillation System (GPP)

1. The revised funding category for the SDS is GPP Capital Construction.

G. Analytical Chemistry Lab Transition

1. DOE will authorize funding to start ACL transfer activities no later than July 14, 2014. Actual DOE-ID direction was received August 14, 2014.

2. ICP will assume responsibility for the ACL by October 1, 2014. This will include transfer of four existing laboratory personnel, facilities and equipment.

3. The landlord functions associated with the ACL will transition from AMWTP to ICP at the same time.

4. All Government Furnished Equipment currently utilized by the ACL, including spares purchased for ACL use, will be transferred to ICP without cost.

5. Transition of AMWTP documentation, engineering drawings and maintenance records for the equipment begins two weeks after project initiation.

6. AMWTP will support ICP by providing the necessary knowledge, understanding, and due diligence of the ACL organization and facility to manage and operate the ACL. Support and interface will be provided by ACL personnel and ACL support personnel, as necessary.

7. All RH TRU sampling and analysis equipment will be functional and will have current calibration certificates.

8. AMWTP will provide access to the ACL and its personnel in order for ICP to assess current conditions and address personnel concerns.

9. No significant ACL issues will be identified by ICP that could not be addressed prior to the transfer of the ACL.

10. The ACL remains on the Central Characterization Project qualified suppliers list to provide Radiochemistry Analysis in support of waste disposition at WIPP.

11. ACL processing of the Lot-5C samples and the participation in MAPEP semi-annual program will not be impacted.

12. DOE Carlsbad Field Office and/or Environmental Protection Agency surveillance is expected to be conducted following transition in order to maintain certification.

13. Supporting documentation for National Emission Standards for Hazardous Air Pollutants reporting, air permits, National Environmental Policy Act (NEPA), configuration management, safety basis, etc. will not be significantly deficient.

14. ICP will only be responsible to assume the personnel who are directly responsible for day-to-day lab activities.

15. Legacy servers and lab equipment will remain operable throughout the upgrade.

16. Availability of David Black, Battelle Energy Alliance, LLC (BEA), can be secured from BEA to meet schedule requirements for transition of the LIMS system.

17. The four transitioning AMWTP lab staff will remain in the same physical office space at RWMC Building 613 after becoming ICP employees.

18. RCRA permitting of the ACL is not required.

19. The ACL operation's NEPA review is limited to preparation of an environmental checklist.

20. The ACL emissions have not significantly changed since turnover in April 2011 and no changes occurred in the previous APAD documentation.

21. The ACL will continue operation as a less than hazard class 3 facility.

22. DOE-ID will perform review and approval of the updated RWMC Hazards Assessment within 30 days of submittal to DOE-ID on August 16, 2014.

23. No critical ACL systems will be out of service or repair at the time of transition.

24. The only tank/vessel transitioned to ICP is the laboratory propane tank. The liquid nitrogen tank remains out of service.

25. LIMS software applications changes made since April 2011 have been adequately documented to allow incorporation into a ICP software management plan.

26. All required ACL critical spares are available at the time of transition.

27. All ACL preventative maintenance is current at the time of transition and no quarterly or greater preventative maintenance activities are required for two months following transition.

28. The AMWTP legacy servers supporting ACL remain operable throughout transition.

29. Both AMWTP DUNE and RAMA servers will be transferred to ICP.

30. AMWTP will perform conversion of the RAMA server from a virtual server to a physical server that will be provided by ICP.

4. EXCLUSIONS:
A. Shipment costs from INTEC to WIPP.

B. WIPP operating costs.

C. NNSS operating costs.

D. This account does not provide any budget or scope for MFC-799 deactivation and decommissioning.

E. This account does not provide any budget or scope for the following wastes: Naval Reactors Facility sludge pan container or TRU vaults; Naval Reactors 103 cans of parts, pieces, and fines.

F. No transportation costs for certification and oversight for 72B canister and cask loading operations are provided as this activity is assumed to directly funded by DOE-CBFO funding to the Los Alamos National Laboratory Mobile Loading Unit Transportation Team.

G. Work scope and associated costs required to maintain (e.g., grading or snow removal) the haul road between MFC and INTEC, which are assumed to be the responsibility of BEA.

#: 7
Title: MLLW/ LLW / Other Waste Disposition

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account consists of four work areas:
A. Waste Generator Services
B. Waste Disposal Services
C. Packaging and Transportation
D. AMWTP U-233 Waste

This account provides the resources to manage hazardous, low-level waste (LLW), mixed low-level waste (MLLW), and industrial waste generated by the Idaho Cleanup Project (ICP). This management starts with pre-generation planning through shipment to offsite or onsite disposal. In addition, Advanced Mixed Waste Treatment Project (AMWTP) U-233 work package includes scope for the shipment of 171 containers of U-233 waste from the AMWTP to the Idaho Nuclear Technology and Engineering Center (INTEC).

SCOPE TO BE PERFORMED:

A. Waste Generator Services

Waste Generator Services manages specified LLW/MLLW, hazardous, industrial, and other waste generated at the ICP, including INTEC (Balance of Plant and Integrated Waste Treatment Unit), Radioactive Waste Management Complex (RWMC) (Balance of Plant), environmental restoration (ER), the Voluntary Consent Order (VCO), deactivation and demolition (D&D), and town facilities from pre-generation planning through handoff to Waste Disposal Services for disposition to a treatment, storage, and disposal facility or other facility.

B. Waste Disposal Services

The scope generally consists of support provided by the Waste Disposal Services group within the Waste Generator Services organization for the safe and compliant disposition of the various waste types generated from ICP activities at the INTEC, RWMC, and Materials and Fuels Complex facilities. The scope includes the costs associated with the transportation, treatment, and disposal of all waste sent off the Idaho National Laboratory Site, as well as contracted costs associated with industrial waste sent to the Central Facilities Area landfill. In addition, the scope includes the labor and other direct costs associated with the transportation, treatment, and disposal (as applicable) of the various waste forms.

C. Packaging and Transportation

This package addresses programmatic and technical compliance support for the ICP Packaging and Transportation Department. Specific work descriptions within the functional support areas include:

1. Packaging and Transportation Services. Assignment, oversight, and administration of resources to facilities and projects for shipping and packaging activities.
2. Packaging Compliance Engineering. Planning and coordination of shipments that do not meet Department of Transportation requirements (non-routine shipments). Regulatory compliance support and maintenance/surveillance of certified packaging. Identification and acquisition of standard and unique packaging to support program needs.
3. Transportation Management. Management oversight, training, reporting, and providing systems required to meet program and regulatory requirements.
4. Sitewide Programs. Transportation-related activities across the project and the ICP, including maintenance of shipping and driver records, hazardous material training, freight negotiations, auditing of freight invoices, damaged goods processing, maintenance of department documents, and bulk chemical tracking.

D. AMWTP U-233 Waste

The scope includes the costs associated with the following:

1. The characterization of all 171 containers from AMWTP to INTEC.
2. Modification of the existing RCRA permit to allow MLLW treatment, specifically macro-encapsulation.
3. Travel to the Bettis facility in Pennsylvania to establish characterization/process knowledge for the various waste streams.
4. Establishing treatment/disposal waste streams and vendor profiles.
5. Reviewing waste characterization information for conformance to the Waste Acceptance Criteria (WAC) for the facilities where the waste will be treated and/or disposed.
6. Radiological Engineering support for establishing container specific radioactive source terms.
7. Program management and oversight.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Waste Generator Services

1. Characterizing for shipment 1) to allow disposition off-Site of all newly generated MLLW within 1 year of generation, or 2) provide documentation for waste with no path for disposition.
2. Documenting and maintaining individual waste characterization records in the Integrated Waste Tracking System (IWTS) for each container generated and/or shipped.
3. Maintaining satellite accumulation areas and temporary accumulation areas.

B. Waste Disposal Services

1. Shipment of all newly generated RCRA-regulated waste off-Site within 1 year of generation, or provide documentation for wastes with no path to disposition.
2. Shipment of all non-RCRA regulated waste to an on-Site or off-Site facility for disposal.
3. Documenting and maintaining individual waste characterization records in the IWTS for each container shipped.
4. Annual internal and external assessments of the LLW program.
5. Revisions to procedures to incorporate changes to DOE O 435.1.

C. Packaging and Transportation

This is a level of effort package. Specific products and deliverables are established by requesting projects, including:

1. Assignment, oversight, and administration of resources to facilities and projects for shipping and packaging activities.
2. Compliance reviews for Department of Transportation regulations for receiving hazardous materials.

3. Packaging and Transportation management of all shipping requirements and guidance for hazardous material and waste shipment preparation.
4. Shipping of general commodities and samples for the ICP.
5. Contact-handled and remote-handled transuranic (TRU) shipments to the Waste Isolation Pilot Plant, and provision of resources and expertise to support the manifesting, inspections, and coordination with the Idaho State Police for shipment of TRU waste to Waste Isolation Pilot Plant.
6. General Packaging and Transportation engineering oversight and coordination of transportation activities and public relations.

D. AMWTP U-233 Waste

1. Receipt of 171 containers of U-233 waste from AMWTP to INTEC.
2. Modification to the Resource Conservation and Recovery Act (RCRA) permit to all macro-encapsulation in CPP-1617.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
a. Waste-generating organizations will fund all cost associated with characterization of wastes and container costs.

b. CPP-1617 waste-handling technicians will collect, package, handle, and prepare waste generated at INTEC and other INL facilities.

c. The INL IWTS database or a similar standardized system will be available to use as a single point of reference for waste tracking.

d. Commercial facility treatment/disposal costs will remain constant, with increases consistent with standard escalation rates.

e. Off-Site TSDFs will remain open and available for disposition of all waste types.

f. Regulatory requirements will not change significantly to warrant a significant change in work planning or waste disposition.

g. The process for waste incidental to reprocessing (WIR) determinations will remain in place. The process for WIR by evaluation will also be maintained.

h. On-Site facilities will be available for disposal of industrial waste.

i. Waste disposal at NNSS will be no cost to the ICP project.

j. The Idaho CERCLA Disposal Facility (ICDF) will close the landfill to acceptance of solid waste on 10/1/2012. The ICDF Evaporation Ponds will remain open for acceptance of liquid wastes.

k. DOE will continue to support ATMS and RadCalc software.

l. P&T, as currently organized, will continue to support ICP.

m. Responsibility for transportation compliance, as identified in this work package, will remain as a centralized function at the INL Site.

n. Only one transportation safety document (TSD) will be required for the INL and ICP.

o. The budget covers the scope of work that has been identified. Any significant change to the scope of work will require a baseline change proposal.

p. Chemical Services will continue to support chemical management duties for bulk fuel and chemical purchasing and tracking.

q. Records Management will continue to provide support for processing P&T records, including technical editing.

r. Quality Assurance will continue to provide a Quality engineer to support packaging engineer compliance scope and ongoing company assessments.

s. P&T administrative support will remain in place for transportation management support (e.g., tracking Uniform Hazardous Waste Manifests and Certificates of Disposal).

t. An off-site facility will be licensed to accept and treat any of the containers that are RCRA regulated.

4. EXCLUSIONS:

a. All scope associated with disposition of wastes in the D&D CERCLA and/or industrial landfills.

b. Cost and support of all contact-handled and remote-handled transuranic waste, which is covered by the ICP TRU program, including all secondary waste generated as a result of TRU waste processing.

c. Costs associated with the transportation and disposal of CERCLA waste at the Idaho CERCLA Disposal Facility (ICDF) is covered under a separate work package

d. Costs associated with the transportation, treatment, and disposal of ARP reject waste is covered under a separate Account

e. Costs associated with the transportation, treatment, and disposal of TRU waste reclassified as LLW is covered under a separate work package

f. Packaging costs are borne by the project generating the waste.

g. Costs associated with the transportation, treatment, and disposal of secondary waste generated from the Repackaging of 6,000 containers of CH-TRU from AMWTP are covered in a separate work package.

h. Waste Management B.5 work scope and work-for-others that are not part of the DOE ICP contract extension. Additional scope will be covered in separate work elements.

i. Material or freight costs. Actual costs incurred for materials and freight will be invoiced for payment against project packages.

#: 8
Title: Waste Management Program Management

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This Account provides the resources for staffing the management team responsible for managing the Solid Waste Stabilization and Disposition Cleanup Project within the Idaho Cleanup Project (ICP). It includes scope for the project Vice President, project Directors, project administrative staff, Project Controls Management, Environmental, Safety, and Health (ES&H) management, Training, Radiological Control, Quality Assurance, Safety including Industrial Hygiene, Industrial Safety, Fire Protection, Document Management, and the authorization basis including nuclear Safety Analysis, and management of the Integrated Waste Tracking System (IWTS). The scope covered by this account also allows for subcontract management and integration across the Solid Waste Stabilization and Disposition elements and provides for general project Communications support. General scope includes management and administration of day-to-day activities within the Solid Waste Stabilization and Disposition Cleanup Project

SCOPE TO BE PERFORMED:
FY 2013 through FY 2014

A. Waste Management Program Management
a. Routine Waste Management Programmatic Management duties.

B. Environmental Management
a. Maintenance of RCRA operating permit record documents and drawings necessary to support permit requirements.
b. Environmental reviews of work control documents.
c. Preparation and processing of RCRA Part B permit modifications, as required, including changes to approved permitted storage.
d. Review/approval of documents such as management control procedures (MCPs), technical procedures, forms, interface agreements, plan's, and work packages necessary to perform the scope of work.
e. Inspections and/or oversight (daily, weekly, monthly, annual) of all RCRA units (permitted units, storage areas, 90-day areas, and satellite accumulation areas) as necessary.
f. Response to information requests from environmental and regulatory support (i.e., waste management process descriptions, inspection/operating records, inventory details, and waste analysis results).

g. Support of the INL's Pollution Prevention (P2) and Sustainability Program.
h. Air permitting applicability determinations pursuant to RCRA Title V permit requirements.
i. Clean Air Act regulatory interpretations, technical assistance and issue resolution.
j. Quarterly fugitive dust compliance surveys pursuant to RCRA Title V permit requirements.
k. Regulatory interpretations and resolve issues.
l. Prepare appropriate National Environmental Policy Act documentation.
m. Input data for all required environmental reports
i. INL Site Air Emission Inventory Annual Report
ii. INL Site National Emission Standards for Hazardous Air Pollutants Annual Radionuclide Emissions Report
iii. RCRA Biennial-Idaho Annual Generator and treatability study reports
n. Emergency Planning Community Right to Know Act Superfund Amendments and Reauthorization Act Reports.

C. Training
a. Ensuring that operations staff and employees meet all minimum training/qualifications and standards required to maintain operations compliantly.
b. Providing and coordinating all contractor employees training, produce training records, and document qualifications.
c. Maintenance of individual auditable/retrievable training records.
d. Maintenance of instructor and training staff qualifications.
e. Development of training courses for facility operation personnel, as defined by training needs analysis and requested by operations.
f. Training to support operations startup and operational schedules.
g. Develop and deliver annual Safety Basis training for each SAR update prepared and approved.
h. Waste Management ES&H and access training.
i. Oversight of training activities and effectiveness.
j. Update Operations and Technical Staff qualification programs to reflect facility and work scope change which is required every two years.
k. Annual DOE Standard 070-94 Project Evaluation Board assessment per List-202.
l. Annual internal assessments of training programs.
m. Administration of individual training such as:
i. Radiological Worker I and II
ii. Respirator training
iii. Radiological control technician initial and continuing training
n. Occupational Safety and Health Act (OSHA) 24-hour and/or 40-hour training
o. Hazardous waste worker (i.e. handling waste to include treatment, storage, and disposal facility worker training and RCRA training
p. Hoisting and Rigging and forklift refreshers
q. Vendor Provided Packaging and Transportation Training for WGS and P&T staff
r. Hazard communication training
s. Lockout/tagout training
t. Environmental, safety, and health awareness training.

D. Radiological Control

a. Radiological direct work control and oversight of Waste Management personnel during waste operations.

b. Preparation and/or review of radioactive work permits and as low as reasonably achievable controls.

c. Radiological engineering support to design, fabrication, construction and start-up of waste handling operations.

d. Periodic walk-downs to ensure compliance posture with company requirements and federal regulations.

E. Quality Assurance

a. Review of procurement documents, vendor data packages and material inspection plans.

b. Participation in design reviews and performance of quality-level determinations for equipment and system modifications.

c. Review of work control documents to identify quality control inspection requirements and verify quality-level assignments.

d. Quality assessments/surveillances to verify compliance with customer requirements, quality assurance program plans and procedures.

e. Coordination of quality engineering and inspection functions including operations, maintenance, assessments, and surveillance activities to ensure compliance with NQA-1a- 2009, DOE O 414.1D and 10 Code of Federal Regulations (CFR) 830.120, Scope, Subpart A, Quality Assurance Requirements. Perform document reviews and process control.

f. Inspection activities for operations and maintenance activities.

g. Nonconformance/process deficiency report preparation, processing, corrective action development support and implementation verification, and follow-up.

F. Safety

a. Safety reviews (Industrial Hygiene / Industrial Safety, Fire Protection Engineer) of work control documents.

b. Creation and maintenance of facility-level fire protection program documentation (i.e., Fire Hazards Analysis, Fire Safety Assessments, Abbreviated Fire Analysis, and Combustible Loading Programs).

c. Periodic safety, industrial hygiene, and fire protection walk-downs of the project's facilities pursuant to DOE Order 420.1B, Facility Safety.

d. Implementation of the fire protection and life-safety programs for the Waste Management Project.

e. Advising line management of all fire protection, safety, and industrial hygiene concerns.

f. Maintain effective communications and interface with contractor and DOE Idaho Operations Office fire protection, safety, and industrial hygiene contacts.

g. Ensuring adequate design, review, installation, inspection, testing and maintenance of fire, safety, and industrial hygiene systems.

h. Industrial hygiene support to recognize, evaluate, and control chemical, physical, and biological hazards associated with the Waste Management Project activities.

i. Assisting management in maintaining a safe workplace free of recognized hazards and providing a safety resource for management and workers pursuant to DOE Headquarters and OSHA direction.
j. Technical industrial hygiene, safety, and fire protection support to the local Voluntary Protection Program unit.
k. Review of operating documents and processes to ensure that processes are planned and executed safely.
l. Advising/assisting management and workers to interpret industrial safety codes, as found in OSHA regulations, National Fire Protection Association Codes, and DOE orders.
m. Monitoring and managing open worker's compensation cases to ensure active case management pursuant to 29 CFR 1904, Recording and Reporting Occupational Injuries and Illnesses.
n. Performance of accident investigations/critiques of any work-related injury, illness, motor vehicle accident, or property damage/loss, as required by contractor policy (such as MCP-49, Occupational Injury/Illness Reporting and Follow-up, requirements).
o. Maintenance of facility injury/illness records and acting as the point of contact to receive data.
p. Providing safety, industrial hygiene, and fire protection assessments for Waste Management and in support of broader functional area companywide assessments relative to Waste Management.
q. Maintenance of safety, industrial hygiene, and fire protection staff qualifications.
r. Maintenance and providing calibration for industrial hygiene instrumentation used in support of Waste Management activities.
s. Capturing and archiving industrial hygiene sampling data within the company HASS system.
t. Screen medical surveillance designations to assure cost effective implementation of medical surveillance participation.
u. Participation in Subcontract Formation group evaluation of subcontracts in support of subcontracts let to support Waste Management activities.

G. Authorization Basis
a. Development and maintenance of a safety basis strategy in support of waste processing and preparation/modification of safety basis documentation (e.g., un-reviewed safety question [USQ] screens, USQs, preliminary safety analysis report, SAR, and criticality safety evaluation [CSE]). This scope includes updating existing safety basis documents
b. Maintenance of the safety basis documents to support the Waste Management project including periodic and annual reviews and support for necessary revisions to the safety basis documentation.
c. Interpretation of SAR/technical safety requirements as requested by facility managers.
d. Development, as necessary, of CSEs of criticality control areas and overloaded drums.
e. Development, as necessary, of criticality control area self-assessments.
f. Preparation of revisions, as necessary, to criticality assurance procedures.
g. Coordination between Battelle Energy Alliance, LLC at Materials Fuels Complex and CH2M-WG Idaho, LLC at the Idaho Nuclear Technology and Engineering Center (INTEC) for the retrieval, shipment, processing and disposition of RH-TRU waste.

h. Maintenance and updating the Transportation Plan between the Radioactive Scrap and Waste Facility and INTEC.

H. IWTS

The major deliverable of IWTS is for the system to remain operational 7 days a week, 24 hours per day. Additionally, it must be maintained and modified to correspond to the changes in operational processes, disposition strategies, and regulatory requirements. The system is critical to maintaining and demonstrating auditable compliance to regulatory requirements and the authorization basis. The following tasks are necessary to keep the system operational and available to all users:

a. Modify and maintain IWTS to provide cradle-to-grave management, tracking, and history for mixed low-level, hazardous, low-level, industrial, and transuranic waste types.
b. Generation of facility-specific reports through the ICP Intranet Web page or directly through the IWTS database.
c. Higher summary-level Site-wide waste reporting for use in special request reports for INL Site contractors and subcontractors and DOE - Idaho Operations Office (ID).
d. Providing a centralized repository for engineering analysis and project planning.
e. Maintaining the Integrated Data Repository to provide data needs for various INL Site organizations and facilities and to support the annual and biennial Idaho Hazardous Waste Generator reports.
f. Preparing and/or maintaining necessary software documentation.
g. Supporting IWTS users in processing change requests and modification to IWTS to meet operational needs.
h. Ensuring that software is controlled in accordance with appropriate company software quality assurance requirements.
i. Maintaining software licenses and keeping all servers maintained and current to meet customer needs.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Waste Management Program Management

a. Deliverables include daily, weekly, monthly, and yearly status reports, documents, records, briefings, and other items as required by other ICP management, other ICP projects, the DOE-ID, or by contract.

B. ES&H

a. Annual Update to SAR-103 and 103A
b. Revised Transportation Plan (PLN-1851)
c. Develop a Class I modification to the RCRA Permit for the Sodium Distillation System (SDS) at CPP-666 Fluorinel Dissolution Process Area (FDPA)
d. Develop a Permit to Construct (Air Permit) for the SDS at CPP-666 FDPA.

C. IWTS

a. Monthly project reports and reviews (scope, cost, and schedules).
b. Change controls as required.

c. Employee annual performance reviews.
d. Software requirements specifications.
e. Software design documents.
f. Test plans and cases.
g. Project execution plan and addenda.
h. Software user documentation.
i. Requirements and requirements traceability matrix.
j. Continuous system operation.
k. Software builds/releases.
l. Maintenance of the IWTS User's Manual.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. ES&H

a. DOE will provide timely reviews and approvals of all authorization basis documents.
b. Idaho Department of Environmental Quality (DEQ) will provide timely reviews and approvals of RCRA permits.
c. Public comments on RCRA permits will not adversely impact DEQ approval of the permits.
d. DOE will concur with a Class I modification to the RCRA Part Permit for the SDS CPP-666 FDPA.
e. DOE will concur with a Permit to Construct (Air Permit) for the SDS at CPP-666 FDPA.
f. Start up of the SDS will be conducted under a "contractor Readiness Assessment" (CRA)

B. IWTS

a. The cost estimates used the most appropriate means available, with first consideration given to a bottom-up methodology, using known process times and/or historical data to arrive at a unit cost.
b. Recorded hours expended for similar work activities to accomplish similar scope performed in previous fiscal years are based on historical costs to date. In most cases, adjustments were made up or down, as necessary to reflect changes in operating conditions, scope of work, lessons learned, or other factors currently existing or projecting forward.
c. Other sources of reliable cost data were used (e.g. vendor quotes).
d. Professional experience and judgment of subject-matter experts (e.g., process engineers, technicians, managers, and outside consultants), where applicable, are used to determine appropriate resources for performing new work-scope activities for which no historical data were available.
e. Customers external to the ICP will fund IWTS in proportion to usage.
f. A minimum staff of one programmer will be retained to ensure that the programming knowledge of the software is retained so that requests can be fulfilled in a timely manner.
g. Minimal software modifications to maintain the system through database or front-end core software version updates will be maintained. Also, the core staff will be responsible to support defect corrections.
h. No major changes to the network infrastructure are anticipated.
i. Continuation of funding to support maintenance, licensing, and upgrades of servers and server-based core software programs will not be eliminated for this work package.

j. No resources have been allotted for Price Anderson Amendments Act fines or State of Idaho notices of violation.

4. EXCLUSIONS:
No Exclusions identified for this project.

#: 9
Title: Environmental Services

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This work scope addresses ICP Site-Wide Environmental Services for the following four areas:
WATER
A. The water-related activities at the ICP conducted to ensure compliance with applicable regulations established by the Clean Water Act, Safe Drinking Water Act, State of Idaho regulations, DOE Orders and water related permits issued by the State of Idaho.
B. MULTI-MEDIA COMPLIANCE AND REPORTING
C. RCRA compliance reports/records preparation and submittal, National Emission Standards for Hazardous Air Pollutants (NESHAP) compliance, Emergency Planning and Community Right to-Know Act (EPCRA) compliance, ICP Environmental Surveillance and annual Site Environmental Report, and Title V INL Air Permit Compliance.
D. VOLUME 21, RCRA POST-CLOSURE PERMIT
E. Implementation of the final Hazardous Waste Management Act (HWMA)/RCRA Post-Closure Permit for the INTEC Waste Calcining Facility (WCF) and CPP-601/627/640 (PER-112, Volume 21 - HWMA/RCRA Post-Closure Permit for the INTEC WCF and CPP-601/627/640 at the INL).
F. ICP WASTE SAMPLING/ENVIRONMENTAL SERVICES SUPPORT
G. D. Activities include waste characterization sampling and subproject-level management functions, including project management, records management, planning and controls, administrative support, sampling and laboratory support, contract-mandated programs such as the Integrated Safety Management Systems (ISMS) and Voluntary Protection Program (VPP), and required training to maintain certifications for sampling personnel.

SCOPE TO BE PERFORMED:
WATER
A. Sampling, analytical subcontracts, data validation, data review, database management, sampling supplies, compliance support, and reporting for:
1. Liquid-effluent sampling and data collection activities associated with the INTEC Wastewater Reuse Permit (WRP) LA-000130-05, including the INTEC Sewage Treatment Plant and Service Waste System.
2. Drinking water sampling and data collection activities associated with the INTEC and RWMC drinking water systems and various ICP deactivation and demolition (D&D) and remediation projects.
3. Groundwater sampling and data collection activities associated with the INTEC WRP, including the new percolation ponds.
4. Shallow injection wells, including activities related to maintaining the ICP inventory.

5. Well maintenance, comprehensive well inventory, hydrologic data repository, and water use, including data collection and daily project support.
6. ICP cross-connection control, including all inspections for cross connections at the INTEC and RWMC drinking water systems and other ICP facilities, and the installation, testing, and repair of backflow prevention devices to comply with drinking water requirements.
7. Technical and regulatory interface to maintain compliance with current regulations and DOE orders that are applicable to the water activities.
8. Necessary equipment, supplies, and personal protective equipment to perform water sampling activities.
9. Required training to maintain licenses and certifications for regulatory and sampling personnel.
10. Development, updating, and maintenance of water program specific plans and procedures.
11. Planning and conduct of internal assessment on water programs and activities. Scope includes documenting implementation of recommended improvements and corrective actions.

MULTI-MEDIA COMPLIANCE AND REPORTING

A. Preparation and Issuance to the Idaho Department of Environmental Quality (DEQ) the annual update/revision to Volume 3 of the RCRA Part B Permit.
B. Preparation and issuance of two updates to the INL HWMA/RCRA Annual Work Plan.
C. Preparation and issuance of the annual revision to Volume 1, Section A, of the INL RCRA Permit Application.
D. Preparation and issuance of two semi-annual revisions/updates to the Summary of the RCRA Part A Permit Application for the INL.
E. Preparation, distribution, and tracking of the quarterly summation reports to all INL generators to verify data for the Idaho Hazardous Waste Generator Annual Report.
F. Preparation of the Idaho Hazardous Waste Generator Annual Report.
G. Preparation and issuance of the EPA Biennial Report.
H. Preparation and submittal of the RCRA 3016 Report.
I. Preparation of the ICP General Duty Clause.
J. Preparation and submittal of the ICP data for the annual 40 CFR 98, Mandatory Greenhouse Gas Report.
K. Preparation and submittal of the EPCRA 311, 312 and 313 reports.
L. Preparation and submittal of the annual NESHAPS for radionuclides report.
M. Preparation and submittal of the INL Title V Air Permit reports.
N. Conduct of ICP environmental surveillance (air sampling, biota, surface water runoff, driveover surveys, etc.).
O. Preparation and submittal of the ICP sections for the Annual Site Environmental Report.
P. Preparation and submittal of the Annual RCRA Treatability Study Report for the IRC and the INL Site.

VOLUME 21 RCRA POST-CLOSURE PERMIT

A. Semi-annual sampling and analysis of groundwater at WCF-required wells.
B. Quarterly sampling, analysis, and reporting of groundwater at CPP-601/627/640 wells until background concentrations and permit action limits have been approved by the DEQ (through March of 2013) and then semi-annually thereafter.

C. Semi-annual measurement of water levels.
D. Semi-annual cap and well inspections.
E. Semi-annual reporting and records management in compliance with the Volume 21 Post-Closure Permit.
F. Submit the RCRA Class 2 permit modification request (PMR) (prepared in FY 2012) to document background concentrations and establish RCRA permit action limits for CPP-601/627/640.

ICP WASTE SAMPLING/ENVIRONMENTAL SERVICES SUPPORT
A. Maintain an adequate, traceable supply of sampling equipment, logbooks, chain of custodies, and shipping materials, and provide vehicular support to the characterization sampling team.
B. Respond to historical data requests.
C. Schedule and report (i.e., track sampling requests, prepare weekly sampling schedules, and prepare) files for transfer to quality record storage.
D. Provide management, administrative, and clerical support for Environmental Services, to include scheduling mandatory training, and maintaining copies of employee position descriptions (EPDs), individual training plans (ITPs), and employee training records.
E. Program control and oversight management to include monthly status of schedule, costs, and variance information. Support for compiling and performing estimate at completion (EAC) assessments, project reporting requirements, and baseline change control as needed.
F. Updating of ICP Site-Wide Environmental Services Support procedures and plans. Coordination of the preparation, updating, distribution, and control of all guides (GDEs), technical procedures (TPRs), and plans. Coordination and maintenance of records. Scan all quality records. Prepare statement of work for laboratory analysis and services.
G. Coordination of audits and self-assessments for all activities, including tracking and documentation of findings and corrective actions.
H. Coordination of all office supplies, cell phones, two-way radios, personal computer (PC) upgrades, personnel moves, and intranet homepage maintenance.
I. Performance and maintenance of gamma shipping screens for all samples taken by the ICP.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Submittal of the RCRA Class 2 PMR (prepared in FY 2012) to document background concentrations and establish RCRA permit action limits and resolve any DEQ comments by March 31, 2013.
B. EPCRA 311 quarterly reports, due December 15, March 15, June 15, and September 15, annually.
C. Title V Tier 1 Annual Compensation Certification, due February 15, annually.
D. RCRA 3016 Report, due January 31, every even-numbered year.
E. EPCRA 312 Annual Report, due mid-February, annually.
F. EPCRA 313 Annual Threshold Determination, due March 31, annually.
G. RCRA Part A Summary revisions, due March 1and September 1, semi-annually.
H. Toxic Air Pollutant Exemption Report, due April 1, annually.
I. Volume 1, Part A RCRA Permit Application annual update, due March 31, annually.

J. Title V Inventory/Periodic Emissions Inventory, due March 1, annually.
K. Fuel Supplier Certifications, due April 15 and October 15, semi-annually.
L. RCRA Work Plan Revisions, due April 15 and September 15, semi-annually.
M. ICP data for the annual 40 CFR 98, "Mandatory Greenhouse Gas Report," due February 17, annually.
N. ICP Sections for the Annual Site Environmental Report, due May 1, annually.
O. Annual NESHAP Report for Radiation, due April 15, annually.
P. Semi-annual WCF and CPP-601/627/640 Post-Closure Report, due June 15 and December 15, semi-annually.
Q. Quarterly monitoring reports for the CPP-601/627/640 wells, due February 28 and August 30 (with the last one on February 28, 2013, and then semi-annually thereafter).
R. EPCRA 313 Annual Toxic Chemical Release Inventory, due May 31, annually.
S. Title V Monitoring Report, due July 30, annually.
T. Volume 3, Part B RCRA Permit Application annual update, due July 30, annually.
U. INL Shallow Injection Well Verification and Statistic Report, due August 31, as needed. - DELETED per BCP 14-057
V. Best Available Technology Report update, due September 15, as needed. - DELETED per BCP 14-057
W. Annual permit application and fee for new monitoring wells to Batelle Endergy Alliance, LLC (BEA) the first part of January for submission to Idaho Department of Water Resources (IDWR) by the end of January.
X. Comprehensive Well Inventory and Water Use Report to the BEA for submission to IDWR by June 30, annually.
Y. Final WRP Annual Site Performance Report to DOE-ID by the third week in February and to the State of Idaho by March 1, annually.
Z. Annual Idaho Hazardous Waste Generator Report to DOE-ID by the third week of January and to the IDEQ by January 31.
AA. RCRA Biennial Report to DOE-ID on March 1, every even-numbered year.
BB. Annual Drinking Water System fees by October 31.
CC. Annual RCRA Treatability Study Report for the IRC and the INL Site by March 15, annually.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
INTERNAL
A. The waste generator or requestor provides funding for waste characterization sampling and analysis costs.
B. RCRA sampling results will not exceed permit specified Groundwater Protection Standards that would trigger additional groundwater monitoring (i.e., compliance monitoring or corrective action monitoring).
C. Repairs of any erosion on the CPP-601/627/640 landfill cover will be minimal and will be required two times during the year.
D. No major groundwater monitoring well repairs will be required.
E. The draft of the RCRA Class 2 PMR will be developed starting in June 2012 and finished in September 2012, but will require certification and submittal to DOE and DEQ in FY 2013.
EXTERNAL

A. No new wastewater reuse permit groundwater wells will be added.

4. EXCLUSIONS:
A. Funding for WCF CAP repairs will be performed by INTEC.
B. Funding for Integrated Waste Treatment System (IWTS) support for the Idaho Hazardous Waste Generator Report/Biennial Report support (provided by Waste Management).

#: 10
Title: RWMC Balance of Plant

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides maintenance and operation of buildings, structures, and utility/fire water systems for RWMC Balance of Plant (BOP) outside the Subsurface Disposal Area (SDA). The RWMC utility systems also provide support to the Advanced Mixed Waste Treatment Project (AMWTP).

SCOPE TO BE PERFORMED:
A. RWMC infrastructure operations; engineering; training; information technology; records management; environmental, safety, and health support; authorization basis support for SAR 4; and maintenance support will be provided to all buildings/system in the non-SDA portion of RWMC.

B. Utility systems operations and maintenance will be provided in accordance with system codes and standards for the following:
a. RWMC potable water distribution system.
b. RWMC sewage system.
c. RWMC electrical power distribution system.
d. RWMC propane delivery system.
e. RWMC fire water (protection) distribution system.
f. Landlord operations services to RWMC excluding AMWTP areas.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Annual update for SAR-4, "Safety Analysis Report for the Radioactive Waste Management Complex."
B. Preventative and corrective maintenance for all systems and buildings in the RWMC that are not within the SDA area.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Both AMWTP and ICP own and provide maintenance for their own communications circuits/cables within shared communication facilities at the RWMC (e.g., junction boxes, pedestals, and conduits).
B. All electrical/normal power distribution equipment over 480 volts is the responsibility of and is maintained by the Battelle Energy Alliance, LLC (BEA) Power Management group.

4. EXCLUSIONS:
None

#: 11
Title: ARP V Sludge Drums

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The treatment and repackaging of 6,000 drums of Advanced Mixed Waste Treatment Project sludge waste in the ARP V facility. The required end state will be WIPP compliant drums that will be transferred to AMWTP/Central Characterization Project (CCP) for final Characterization and certification for shipment to WIPP.

SCOPE TO BE PERFORMED:
A. The scope of work includes: project support for treatment and repackaging of 6,000 drums of Advanced Mixed Waste Treatment Project sludge.
B. Modification to ARP V to add a second set of HEPA filtration for processing 741 series sludge waste (BCP 14-034).
C. 6,000 drums of AMWTP RCRA sludge repackaged through ARP V by 9/30/2014.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Provide operations trailers in support of the 6,000 drums of AMWTP RCRA sludge repackaged through ARP V by 9/30/2014.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. The Regulatory Agencies actively supports a RCRA Permit for ARP V by October 31, 2012.
B. The Risk Based Disposal Approval prepared for ARP V is approved allowing PCB sludges to be processed in ARP V.
C. An Air Permitting Applicability Determination (APAD) will be sufficient to address the Air Emissions associated with ARP V sludge repackaging. A permit-to-construct will not be required. An Environmental Checklist will be sufficient to address the NEPA evaluation. A supplemental analysis to the AMWTP Environmental Impact Statement is not required.
D. Stack monitoring for NESHAP Compliance will not be required (i.e. if estimated emissions exceed monitoring threshold the ambient monitoring approach employed by ARP will be acceptable and approved by EPA).
E. The concrete floors in the airlock will utilize spill pans for storage of drums containing liquid, the floors are not defined as secondary containment under RCRA.
F. The baseline for the existing soil contamination in ARP V will be a documented visual review of the surface area between the drum packaging stations and the area where sludge repackaging will occur.
G. Soil sampling will not be required before or after RCRA sludge repackaging in ARP V.
H. All sludge drums from AMWTP will be vented and have sufficient assay data to allow RWMC to accept waste for processing.

I. All secondary waste (55 gallon drum hulls, over pack drum hulls, PPE, waste from equipment maintenance) will be packaged and returned to AMWTP for disposition.
J. AMWTP can characterize and disposition secondary waste as packaged in IP1 waste containers by ARP V operations.
K. Secondary waste will be packaged in IP1 or IP2 waste containers.
L. The visual examination (VE) process will be done at the time of packaging by qualified CCP VE personnel. RTR will not be used as a method to verify WIPP compliance. Treatability studies will not be required to verify absorbent effectiveness.
M. All mechanisms to receive waste back at AMWTP are in place prior to receiving for processing at ARP.
N. Tracking of physical inventory input versus output is the responsibility of AMWTP.
O. AMWTP will provide input drums preheated for 72 hours during the winter months.

P. CCP will provide qualified VE Experts and VE personnel to provide the VE and data validation services. Other than Visual examination at the time of repackaging, the work excludes additional WIPP characterization, certification, and transportation services performed at the AMWTP such as NDA, flammable gas testing, waste and transportation certification, payload assembly, and TRUPACT-II loading.
Q. AMWTP AK of the sludge waste is adequate to support VE at ARP.
R. The existing CCP VE procedure is adequate to support VE of the AMWTP waste and does not require any additional revision.
S. All AMWTP IDCs included in this population will be bound by the existing nuclear/criticality control set, no new controls are expected.

4. EXCLUSIONS:
The disposition of secondary waste generated by Sludge Repackaging.

#: 12
MFC Sodium Waste Processing Project

GENERAL WORK DESCRIPTION: (provide general work scope description)
The U.S. Department of Energy Idaho Operations has provided guidance in contract modification 243 to suspend all scope activities associated with the Sodium Treatment System project described in Section C.8.2.1.2 RH TRU Sodium Treatment of the ICP contract. Baseline Change Proposal 13-020 was implemented in April 2013 to remove remaining work scope.

SCOPE TO BE PERFORMED:

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

4. EXCLUSIONS:

GENERAL WORK DESCRIPTION: (provide general work scope description)
The account establishes the scope and budget necessary to complete a Resource Conservation and Recovery Act (RCRA) permit final design for the sodium treatment system(s) that support preparation and submittal of a RCRA permit modification request (PMR) in fiscal year (FY) 2013. The account also includes scope to support RCRA PMR development, revise the National Environmental Policy Act (NEPA) Supplement Analysis and the Safety Design Strategy for the Sodium Processing Facility (SPF) to incorporate the selected treatment approach/technology. The work will be performed as part of the Materials and Fuels Complex (MFC)-799 Sodium Waste Processing Project in accordance with Idaho Cleanup Project contract requirements established by the U.S. Department of Energy Idaho Operations Office (DOE-ID). Additionally, this account establishes the scope and budget necessary to complete the MFC Roads, Grounds, and Storage Modification in fiscal years 2014 and 2015. RCRA permitted remote-handled (RH) waste storage is necessary for waste staging prior to and after sodium treatment of the waste.

The account includes three activities:
A._MFC Sodium Processing Facility
B._MFC Roads, Grounds, and Storage
C._MFC Sodium Processing Facility Program Management

SCOPE TO BE PERFORMED:
The specific work scope associated with the Waste Sodium Treatment Facility project is described below.

A._MFC Sodium Processing Facility
Complete the engineering and design analysis necessary to develop a RCRA permit final design for the sodium treatment system(s) that supports preparation and submittal of a RCRA PMR to the State of Idaho Department of Environmental Quality (DEQ) by March 31, 2013.
To aid in the preparation of the SPF design, the SPF has been divided into subsystems. The subsystems help define the scope of the design effort but should not be considered an all-inclusive list of subsystems/components requiring design. The SPF subsystems currently identified for the RCRA Permit design are as follows:
1._Superheated Steam System _ This subsystem includes a steam treatment vessel, sodium melting station, sodium hydroxide load-out capability, superheated steam generation capability, steam treatment vessel heating and cooling capability, and steam treatment vessel pressure relief.
2._Aqueous Treatment System _ This subsystem includes an Aqueous Spray and wash system capable of spraying combustible waste material.
3._Process Off-Gas Treatment System _ This subsystem includes off-gas piping, a chilled condenser, a scrubber, off-gas heat-trace, high-efficiency particulate air filtration, inert gas auxiliary purge, and off-gas instrumentation.
4._Ventilation/Air Pollution Control System _ This subsystem includes building heating and cooling, emissions monitoring, and exhaust filtration.
5._Fire Protection System
6._Auxiliary Support Systems _ This subsystem includes the water supply system, the inert-gas supply system, plant air, and secondary containment and leak-detection system.
7._Vapor Distillation System

8._Confinement/Shielding
9._Waste Handling Subsystem (for drums and facility transfer container/large liners)
10._Instrumentation and Controls/Monitoring
11._MFC-799 Facility Modifications/Electrical Distribution and Utilities
12._Repackaging system
B._MFC Roads, Grounds, and Storage
The work scope establishes the scope and budget necessary to construct a RCRA permitted storage area for the storage of mixed Transuranic (TRU) waste that will be processed through the Sodium Treatment System (STS) facility at MFC-799. In addition, improvements to the roads and grounds surrounding the MFC-799 STS facility such as widening roadways, providing adequate turning radius for truck and fork-lift access, parking areas, relocation of utilities, and storm water drainage adjustments shall be accomplished as required to support startup of the MFC-799 STS Facility by September 30, 2015. Office trailers and change rooms (locker, showers, and restrooms) will be provided as required to support MFC-799 operations.
C._MFC Sodium Processing Facility Program Management
This work package provides for Fiscal Year (FY) 2013 scope for program management and level-of-effort support required to support completion of all activities (including, but not limited to: NEPA analysis, design, and safety basis development) necessary to submit a RCRA Part B permit to the DEQ by March 31, 2013.
The Program Management work scope includes the following major activities:
1._Control Account Management and Project Controls
2._FY 2013 Environmental Support for MFC-799 SPF including submittal of a RCRA PMR to the Idaho DEQ to allow for the receipt, handling, storage, and treatment of sodium-contaminated waste at MFC-799 and adjacent areas and revise the NEPA Supplement Analysis as required.
3._FY 2013 Authorization Basis support for MFC-799 SPF including updates to the project_s Safety Design Strategy document and completion of a Preliminary Documented Safety Analysis.
4._FY 2013 MFC SPF Project Management

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Key deliverables and associated schedule dates for this account are listed below:
A._Complete SPF RCRA Permit Final Design by January 31, 2013.
B._Submittal of a RCRA PMR to the Idaho DEQ to allow for the receipt, handling, storage, and treatment of sodium-contaminated waste at MFC-799 and adjacent areas by March 31, 2013.
C._Complete a Preliminary Documented Safety Analysis and submit for DOE-ID review and approval/concurrence by July 31, 2013.
D._Completion of construction activities supporting the MFC roads, grounds, and storage facility modifications by September 30, 2015.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A._General:
1._The SPF is not a line item capital project. The SPF will be 100% operating funded, but follow Major Items of Equipment principles from DOE Order 413.3B.
2._Approval of the authorization basis and critical decision points (CD-1, CD-2, and CD-3) for the SPF will be approved locally by DOE-ID, if required.

3._This account assumes the DOE-ID Federal Project Director will continually apply the _Graded Approach_ to DOE Order 413.3B implementation.
4._MFC-799 is the designated STF and an adjoining area external to MFC-799 will be used for permitted waste storage.
5._DOE will provide timely reviews and approvals of all deliverables.
B._Authorization Basis
1._Resources in addition to those required to revise the Safety Design Strategy have been planned in this work scope and budget to address the potential for additional authorization basis documents that may/will be required (i.e., preliminary safety design report, preliminary documented safety analysis) to ensure compliance with DOE-STD-1189, Integration of Safety into the Design Process.
2._The resources planned for the preparation of Authorization Basis documents assumes the radiological inventory for repackaging and treatment at the SPF is limited to 3.5 PEC per container based on TSR-103 LCO 3.103.2, and the fissile inventory and form is such that a criticality is beyond extremely unlikely.
3._Battelle Energy Alliance, LLC (BEA) will not be required to review or approve CH2M-WG Idaho, LLC authorization basis documents. DOE-ID will approve the authorization basis documents.
C._MFC-799 Sodium Processing Facility Design
1._BEA will provide all available design documentation (drawings, equipment specifications, engineering design calculations) for the distillation system that they have designed and built (currently residing in the North Holmes Complex).
2._Resources required to prepare equipment/procurement specifications are considered outside the scope of this account and are not included.
3._The resources planned for design of the SPF are consistent with the current Safety Design Strategy for the MFC-799 Sodium Process Facility (RPT-932, March 2012 Draft) determination that the SPF is not expected to have any safety-significant Systems, Structures and Components (i.e., quality level 3 design). Additional resources may be required to address design of safety-significant (quality level 2) components/subsystems.
D._Environmental Support
1._The RCRA PMR will address treatment of approximately 87% of the total sodium contaminated waste inventory identified in the Site Treatment Plan.
2._DOE-ID will discuss the remaining 13% of sodium contaminated waste inventory identified in the Site Treatment Plan with IDEQ and propose/negotiate a schedule for addressing this backlog inventory. The unique attributes of this inventory (i.e., size, mass of sodium) will likely require some future facility modifications and supporting permit modifications.

4. EXCLUSIONS:
A._Resources to prepare additional NEPA documentation such as revision to the existing Environmental Assessment (if determined to be required) have not been planned in this account.
B._MFC-799 deactivation and decommissioning will be performed independently from this l account.
C._Any roads, grounds, and storage modifications at MFC in support of relocating the shipping/characterization capability for RH TRU waste to MFC-793 are excluded from this account.

#: 13
Title: Sodium Bearing Waste Operations

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The contractor shall complete the recovery and startup of the IWTU process system and process approximately 1,000,000 gallons of SBW stored in underground stainless steel tanks at INTEC.

SCOPE TO BE PERFORMED:
Complete the recovery and startup of the IWTU process system and process approximately 1,000,000 gallons of SBW stored in underground stainless steel tanks at INTEC. Complete the treatment and packaging of liquid SBW to the loss-of-suction in the tanks.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents,
Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Implement the changes recommended by the event investigation team and the defense board. Recovery also includes changing the operating procedures to reflect the changes in the DCS and THOR operating parameters. Following recovery the project will evaluate the readiness to precede into operations through a Management Self-Assessment (MSA) and correcting any issues identified during the MSA followed by a Contractor Readiness Assessment. This also includes the operations, management oversight, and facility maintenance during the operating duration. The operating duration is from the start of waste processing until the Loss-of-suction in the tank risers. Operations, management oversight, and facility maintenance during the operating period followed by transition of the IWTU Facility and process system to a minimum safe configuration. The second operating duration for is from the end of processing to loss-of-suction until the heel and rinse is removed from the SBW Tanks. The Construction of additional storage vaults and canisters required to complete processing the SBW is included.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Operations and management of the process and facility will be performed per the current standards defined in Conduct of Operations.
B. GAC bed replacement may be required during the processing campaign C. Does not include any maintenance-related scope that is not directly related to operation of the IWTU facility and the steam reforming process.
D. Support services to the maintenance organization will be obtained from other organizations. These include facility engineering, radiological engineering, radiological control technicians, decontamination technicians, and quality assurance.
E. The budget is based on current procedures including, but not limited to ICP Integrated Work Control Process.
F. Maintenance of essential equipment is required during periods of operation and turnaround and during extended shutdown periods.
G. The Product Storage Building will have capacity to store the canisters generated in processing the heel and rinse.

4. EXCLUSIONS:

None

#: 14
Title: Calcine

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides project management, regulatory and permitting support to the Calcine Disposition Project (CDP). It also provides maintenance, surveillance and support of the Integrated Waste Treatment Unit (IWTU) facility in a warm state as required as part of the IWTU facility transition to the Calcine Disposition Project (CDP). This work includes the downgrade of the facility from a Hazard Category 2 facility to a less than Hazard Category 3 (LTHC3) facility.

The CDP will submit a RCRA Part B permit application (or statutory equivalent) in September 2012 to DOE-ID. The permit application will address, at a conceptual level, modifications to the Calcine Solids Storage Facilities (CSSFs) and the Integrated Waste Treatment Unit (IWTU) required to retrieve, treat, package, and ship high-level waste (HLW) calcine solids using a hot isostatic press treatment process. The scope of this account includes the follow-on work scope required to support submittal of the application by DOE-ID and processing of the application by DEQ.
This account provides for support for the submittal of milestone/planning dates for implementation of the Amended HLW Record of Decision issued in December 2009 in accordance with the Settlement Agreement, Section E.6, and the INL Site Treatment Plan, Section 5.2. These milestones/planning dates will become the enforceable milestones for the project.

The account also provides support for achieving regulatory approval for direct disposal of calcine to WIPP including transportation approval.

SCOPE TO BE PERFORMED:
Activities include coordination, monthly reporting, interfaces (DOE-ID, state and federal agencies, and stakeholder groups), short- and long-term planning, project controls, and administrative-support activities. Resources supporting personnel training, travel, and office supplies activities are also included in this account.
Additionally, this account provides for the support of the submittal of the RCRA permit application by DOE-ID to the DEQ by December 1, 2012, and response to any comments or notices of deficiency (NODs) received during FY-13 through FY-15.
This account also provides support for focusing on regulatory planning for direct disposal of calcine to WIPP including transportation approval.
Lastly, the account includes necessary facility maintenance to keep the IWTU facility in a warm state, following its transition to Min-Safe mode. This work will include placing the facility in a safe condition and maintaining operations and maintenance personnel to keep the facility in a safe shutdown condition, while supporting downgrade activities. The documentation to downgrade the facility from a Hazard Category 2 facility to a Less-Than Hazard Category 3 (LTHC3) facility will be performed.
IWTU maintenance and downgrade activities are proposed as follows:

A. Implement Regulatory Strategy. Maintain all regulatory requirements to keep the facility in a warm state.
B. Facility Operations. Maintain a select facility operations crew to handle all required facility operations, while maintaining the existing safety basis.
C. Facility Maintenance. Employ a select facility maintenance crew to perform the preventive and scheduled maintenance for the day-to-day maintenance of the facility.
D. Radiological Control Operations. Perform all day-to-day radiological control surveys, maintenance surveys, and downgrade surveys.
E. Industrial Safety and Hygiene. Complete all industrial safety and hygiene activities needed for the maintenance of the IWTU facility.
F. Systems Engineering. Complete all Design Authority and Systems Engineering activities required for the maintenance of the IWTU facility.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Developing annual work plans.
B. Developing detailed schedules and cost estimates.
C. Developing baseline change proposals (BCPs).
D. Coordinating monthly performance tracking and reporting of the project control account and control accounts.
E. Support for submittal of the RCRA permit application by DOE-ID to DEQ by December 1, 2012.
F. Major deliverables associated with the IWTU facility:
a. NOD response(s) for the CDP RCRA Part B permit application. A canceled or reduced SAR.
b. IWTU maintained in a warm state.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. The State of Idaho will accept the permit application as administratively complete during the second 2nd quarter of FY 2013.
B. The schedule for Notice of Deficiencies (NODs) is assumed to be after submittal of the initial permit application (i.e., second quarter of FY 2013).
C. Response to DOE comments, NODs and other milestone needs will be limited due to funding constraints
D. Access requirements for personnel or equipment into IWTU will not change or be reduced for the duration of the project.
E. IWTU Operations flushing and rinsing will reduce material at risk (MAR) to an acceptable level for facility downgrade activities.
F. INTEC will continue paying utility costs
G. RCRA Closure Plan will not need to be created

4. EXCLUSIONS:
Does not include funds for additional rinsing and flushing for downgrading the IWTU facility.

WBS: 15

Title: INTEC Balance of Plant

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Balance of Plant (BOP) consists of INTEC facilities and programs that are not part of Spent Nuclear Fuel, Navy work, work for others, or Waste Management. The primary facilities included are the Process Equipment Waste (PEW) Evaporator, Liquid Effluent Treatment and Disposal (LET&D), Service Waste, New Waste Calcining Facility (NWCF), Process Off-Gas, Calcine Solids Storage Facilities (CSSFs), Evaporator Tank System (ETS), Tank Farm Facility, utilities, (including electrical distribution system (EDS), Cathodic Protection System (CPS) at INTEC, the primary 13.8 kVac, 2.4 kVac, and 480Vac distribution systems, the INTEC Standby Power Plant, and the INTEC Utility Control System (UCS), potable, raw, fire, and demineralized water, and pressurized air systems), office buildings, roads and grounds, and maintenance buildings.

This account provides for BOP operators, maintenance crafts, engineers, support personnel (QA, Safety, etc.), and management. It pays for electricity and fuel oil for all of INTEC. It pays for corrective and preventive maintenance (CM and PM) on the included systems and buildings

SCOPE TO BE PERFORMED:

A. Oversight, direction, and execution of safe and sure operations within BOP.

B. Comply with Conduct of Operations, Conduct of Maintenance, Conduct of Engineering, and implement the company Integrated Safety Management System (ISMS), Voluntary Protection Program (VPP), Environmental Management System (EMS), and Environmental, Safety and Health (ES&H) and Quality Assurance (QA) requirements and principles for BOP facilities

C. Daily plant shift supervision for INTEC BOP with 4x10 coverage.

D. Planning and controls integration for INTEC, including accruals and project procurement tracking.

E. Provide supplies, equipment personal protective equipment (PPE), and respirators to complete BOP work.

F. Maintain BOP buildings and facilities within boundaries set by the Documented Safety Analysis (DSA), including CM and PM required for buildings to perform their functions.

G. Maintain the DSAs.

H. Maintain compliance with RCRA permit and other environmental regulation requirements.

I. Provide required utilities to INTEC and IWTU. Maintain roads and grounds within the INTEC fence.

J. Generate work control forms. All work will be reviewed and approved for both CM and PM. Work scope will be reviewed for completeness before release to the field. Work package walk-downs will be performed.

K. Management and administrative oversight of work control personnel, and support for their training needs.

L. Provide for tracking, trending of performance, and closeout of completed work orders. Document control for work orders will be provided.

M. Provide utilities, including power, air, water, heat, and air conditioning, to BOP facilities.

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N. Provide on a daily basis the integrated plant maintenance/operations schedule and facilitating Plan of the Day meetings.
O. Provide facility, rolling schedules for weekly validation and integration into an approved Plan of the Week.
P. Provide performance indicators based on the outcome of each execution week.
Q. Operate and maintain H&V systems including those required for radiological contamination control.
R. Control the INTEC integrated schedule to monitor performance and ensure completion of any enforceable milestones and/or activities by the required due dates.
S. Maintain the controlled configuration of the drawings and databases.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Documented ICP fabrication design review records indicating Quality Engineering participation.
B. Documented ICP fabrication document review records (e.g., document revision forms [DRFs]) indicating Quality Engineering participation.
C. In-process and completed deficiency reports (DRs) and nonconformance reports (NCRs) indicating Quality Engineering participation in the screening, corrective action plan, and closure elements of the process.
D. In-process and completed electronic procurement documents indicating Quality Engineering review and approval.
E. Completed surveillance reports recording the results of procedural compliance verifications by Quality engineers.
F. Completed inspection plans, inspection reports, and nondestructive examination (NDE) reports documenting the acceptance of the work activities performed by Quality Inspection personnel.
G. Approved WBS.
H. Approved life-cycle baseline schedule and budget.
I. Weekly plan of the week schedule updates.
J. Weekly and monthly schedule/cost reports.
K. DSA annual updates pursuant to MCP-1176, "Safety Analysis Process," MCP-2449, "ICP Nuclear Safety Analysis," or equivalent, for the following documents:
a. SAR-103
b. SAR-120
c. SAR-105
d. SAR-107
e. SAR-108
L. Fully operational electrical distribution system.
M. Standby power to the critical INTEC facilities.
N. Operable Cathodic Protection System through-out INTEC.
O. Fuel oil as necessary for the production of steam used for building heat and processes at INTEC.
P. Maintained roads and grounds (e.g., snow removed, potholes repaired, and lights replaced).
Q. Maintained non-process facilities in useable/minimum safe condition.

R. Operable air, water, and fuel systems.
S. A workplace which is safe and in compliance with applicable regulations.
T. Engineering design files (EDFs).
U. Facility design changes (FDCs).
V. USQ screens and evaluations.
W. Completion of design disclosure packages which include fabrication drawings, specifications, and EDFs in addition to design completion reports; technical assistance in the implementation of these designs and successful management of previously completed designs.
X. Current Electrical Configuration Database.
Y. Current Master Equipment List (MEL).
Z. Completion of maintenance and update activities on engineering hardware and software needed to perform design engineering and analyses (e.g., Pro/E, IDEAS, Abacus, STAAD, and SAP).

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. No significant changes will be made to the ICP scope, existing DOE orders, or requirements that require services outside of those currently needed by ICP Contract DE-AC07-05ID14516, awarded March 23, 2005.
B. Requirements for Emergency Preparedness, as identified in DOE O151.1C, "Comprehensive Emergency Management System," and as identified by the Occupational Safety and Health Administration (OSHA), EPA, Federal Emergency Management Agency (FEMA), and state and local laws remain unchanged.
C. The INL Fire Department will serve as the first responders and incident commanders for incidents at INTEC.
D. The basis of estimate assumes the same level of resources provided in FY-11 and the addition of operators required for tank farm closure activities and extra PEW processing through FY-15.
E. DOE approval of submitted safety documents or comments will be received within 30 days of submittal.
F. No major noncompliance problems will occur that are of a magnitude that would require additional resources.
G. The cathodic protection footprint will remain unchanged through the planning period.
H. Electrical power and fuel oil unit rates will escalate with energy market drivers.
I. Electrical power and fuel oil consumption will remain essentially constant as in FY-12 with the addition of IWTU process needs not to exceed December 2014.
J. INTEC roads and grounds footprint is unchanged.
K. INTEC nonnuclear facilities will be maintained to meet applicable requirements of current codes, standards, and guides, except for newly discovered pre-existing conditions that were not reasonably identifiable during the initial contract period.
L. All nuclear facilities will be maintained in accordance with the facilities' approved safety bases.

4. EXCLUSIONS:
A. Facility transition support from DOE-EM to DOE-NE is not included in the proposed contract scope and will be handled by the change clause.

B. Funding for existing building modifications or deactivation and demolition (D&D) activities directed by DOE. However, modifications by the contractor as a cost saving under the second paragraph of C.8.3.1 of the contract, INTEC Infrastructure, are not excluded.
C. Life-safety system PMs are not covered in this work package but in G.1.01.01.14, INTEC Support for ICP.
D. Maintenance for Integrated Waste Treatment Unit is not covered in this work package
E. Tours in non-operating facilities.

#: 16
Title: INTEC Tank Farm Closure

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The FYs-13 through -15 scope of INTEC Tank Farm Facility closure is to clean and close the remaining four 300,000-gal underground storage tanks and vaults, cooling coil systems, waste lines, valve boxes, and control pits in the INTEC tank farm. The waste storage tanks will be closed in accordance with the Phase V RCRA Closure Plan and performance criteria contained in the Tier I and Tier II closure documents with the tanks grouted in place to stabilize any remaining residuals

SCOPE TO BE PERFORMED:
A. Project Management
B. Engineering/Closure Plans
C. Flush & Clean and Sampling
D. Grouting

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. An AFC package for the C-37 valve box modifications
B. A grout batch plant procurement package.
C. Tier II Tank Farm Closure plans for Tanks VES-WM-187 through -190.
D. Data quality assessments reports and engineering design files (EDFs) for the RCRA constituents of Tanks VES-WM-187 through -190.
E. A RCRA closed Tank Farm per the Phase I through Phase V closure plans and the Tier I closure document.
F. The grouting of the remaining lines originally contained in the Phase I through Phase IV closure Plan and the Tier I closure document.
G. An annual review of the Waste Determination, Performance Assessment and Tier I Closure Plan in accordance with the existing Maintenance and Monitoring Plan.
H. An independent professional engineer (P.E.) to certify that the closure of the underground storage tanks is performed in accordance with the approved closure plans.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Lawsuits disputing the waste determination process will not impact cleaning or closing of tanks.

B. The strategy for cleaning and sampling of tanks described in Phase V Closure Plans will remain consistent to the strategy approved in the previous closure plans.
C. No additional National Environmental Policy Act documentation will be required for washing activities. An update to the existing environmental checklist will cover all cleaning activities and grouting activities.
D. Closure documents such as the Record of Decision for Tank Farm Grouting, Waste Determination, Performance Assessment, Composite Analysis, and the Tier I closure plan are still valid, and no additional approvals will be necessary to grout.
E. A new Tier II Closure Plan for the 4-pack will be required prior to grouting activities related to the 4-pack.
F. No additional leakage from tank farm transfers into previously cleaned tanks and/or vaults.
G. Radiological conditions will not exceed that of the radiological work permit used for initial entry.
H. SAR and permit implementation will not cause a change in operations requirements that would affect the washing operations as currently planned.
I. Tank farm flushes in support of tank closure activities are not considered to be newly generated liquid waste (NGLW), but instead are considered to be part of the existing sodium bearing waste (SBW) tank farm inventory. When permit conditions allow, liquids may be concentrated at the Evaporative Tank System (ETS) by Balance of Plant Operations.
J. No additional air permit from the state will need to be granted for a batch plant prior to grouting activities.
K. The current grout plant is in place with utilities provided to the operator
L. Grouting will take place only to ground level to aid in the removal of aboveground structures by others

4. EXCLUSIONS:
None.

#: 17
Title: MFC D&D

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account details deactivation and demolition (D&D) activities for facilities at MFC to be completed in FYs 2013 through 2015.

SCOPE TO BE PERFORMED:
Complete RCRA closure of MFC-799 and MFC-799A. This includes mechanical and electrical isolations, internal building demolition and treatment/disposal of hazardous waste from piping and tanks.

Maintain necessary RCRA compliance, surveillance and maintenance of MFC-799, MFC-766 and surveillance and maintenance of MFC-767 and MFC-770C.

Provide necessary project support for the safe and compliant execution of RCRA closure scope to include: D&D site infrastructure, Rad Con management, training, facility management,

regulatory oversight, safety oversight, equipment maintenance, building maintenance, housekeeping, IT support, tool crib and materials, utilities, BEA support and project management.

Maintain D&D infrastructure upon completion of D&D work-scope.

Complete EDF in support of sodium boiler building water hammer event.

Provide overall D&D program management and oversight.

D&D activities will include completion of characterization, planning, engineering, and deactivation for the buildings/structures listed below. MFC-799 will be stripped of process piping and equipment, and residual sodium in piping and vessels will be treated. Demolition will be completed for MFC-799A and will be completed in accordance with facility requirements and will be compliant with the Action Memorandum for General Decommissioning Activities Under the Idaho Cleanup Project (DOE/ID-11293). MFC-766 will have removal of sodium piping. Engineering will be completed for the demolition of MFC-766. Engineering will be performed for placement of grout in MFC-767 below grade areas and demolition of MFC-767. MFC-767 will be have the placement of grout into the below grade areas.

Installation of a treatment system for bulk sodium removed for MFC-766 piping will be designed and installed and bulk sodium will be treated.

Installation of a treatment system for the superheaters and heat exchangers will be designed and installed and the sodium contained in them will be treated in place.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Deactivation, RCRA closure and preparations for waste disposition of:
   1. MFC-799 Sodium Processing Facility.
   2. MFC-799A Sodium Processing Tank Building.

B. D&D Program management and MFC D&D project management.
   1. Maintenance of MFC D&D infrastructure until end of ICP contract.
   2. Maintenance of RCRA compliance for MFC-766 and MFC-799.

C. MFC-766 Piping removal and installation of sodium processing systems.
   1. Remove sodium containing piping
   2. Design and Install a treatment system for bulk sodium removed from MFC-766 piping.
   3. Design and Install a sodium treatment system for superheater and heat exchangers.

D. Sodium Treatment
   1. Treat bulk sodium removed from MFC-766 piping.
   2. Treat sodium contained in MFC-766 super heaters and heat exchangers.

E. Engineering
   1. Engineer the demolition of MFC-766.
   2. Engineer the placement of grout in MFC-767 below grade spaces.
   3. Engineer the demolition of MFC-767.

F. Grouting of MFC-767

1. Prepare MFC-767 for grouting and place grout in the below grade areas.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. Battelle Energy Alliance, LLC (BEA) will continue to provide utilities and footprints for office trailers to support the work scope for the activities addressed by the MFC D&D.

B. BEA will remove stored hazardous material and equipment prior to facility turnover.

C. A Davis-Bacon determination has resulted in United Steel Workers performing the work.

D. The RCRA closure strategy will be agreed to by DOE, the contractor, and the State of Idaho.

E. No ecological, historical, or BEA issues will be identified that will result in the stoppage of preparatory and executable activities.

F. Access requirements for personnel or equipment into MFC will not change for the duration of the project.

G. No entrained or unanticipated sodium or other unknown hazards will be encountered through the D&D efforts.

H. Hazardous, mixed, or low-level waste encountered during work in these facilities/structures will be stored or disposed of compliantly by Waste Generator Services (WGS).

I. Rerouting or isolation of the electrical and mechanical utilities will not impact other facility operations.

J. Industrial waste will be disposed of at the MFC and/or Central Facilities Area landfills. Low-level waste will be disposed of at the Idaho Comprehensive Environmental Responsibility, Compensation, and Liability Act (CERCLA) Disposal Facility (ICDF).

K. Piping excavations will be no greater than 6 ft below grade.

L. Central Engineering will prepare all engineering work instructions and D&D planning will prepare work orders.

M. Stockpile locations will be adjacent to the excavations. Excavation in the areas of known underground tie-in points, existing buried utilities, and unidentified findings from the subsurface investigations will utilize hand excavation within 2 ft vertically and 5 ft horizontally from the buried object.

N. Excavated materials will not contain hazardous materials contamination.

O. Excavated materials will not contain radiological contamination. If radiological contamination is encountered during removal of excavated soils, excavation will cease and no further action will be taken to remove soil. The cost estimate does not include costs for radioactive soil excavation.

P. Existing concrete sidewalks and asphalt roadways will be saw cut in the areas of excavation. The removed concrete and asphalt will be replaced by grading materials consistent with building final grading.

Q. BEA will provide SMEs, as necessary, to assist in the walkdown and engineering design approval for utility/service isolations.

R. Floor tiles and roofing materials containing nonfriable asbestos will not be selectively removed and will be accepted at the disposal site.

S. Building mechanical utilities will be isolated and disconnected as part of the work package.

T. Building electrical utilities will be isolated and disconnected, and temporary power may be installed as part of the work package.
U. Owned heavy equipment is anticipated to be available for the project.
V. Underground piping and electrical systems (outside 3-ft boundary) will be left in place. No costs have been included for grouting or removing these abandoned systems.
W. IDEQ will approve closure plan schedule modifications that extend beyond 180 days, in accordance with 40 CFR 264.113(b).
X. RCRA closure-generated wastes may be added to the INL Site Treatment Plan and stored until a treatment facility is constructed and permitted to treat those wastes.
Y. No past releases of hazardous or radiological wastes to the environment have occurred outside of buildings or secondary containments.
Z. Inert, no putrescible wastes (construction/demolition wastes) will be eligible for disposal at the MFC CERCLA Demolition Waste Landfill.
AA. Treatment residuals from reacting alkali metal wastes will meet closure performance standards of the closure plans, and will meet waste acceptance criteria for EnergySolutions or the ICDF.

4. EXCLUSIONS:
A. Disposal costs for non-industrial wastes are not included. This package covers the costs for packaging the nonindustrial wastes, and preparing them for shipment. Costs for shipment and disposal for nonindustrial waste are covered in a separate waste management account.
B. Foundations below grade.

#: 18
Title: Accelerated Retrieval Project

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides project support for the Accelerated Retrieval Project during FYs-13 through -15.

Waste exhumation and targeted waste packaging from .51 acres of targeted waste from ARP III, ARP VII and ARP VIII. This work scope is required in pursuit of the 5.69 acres of targeted waste exhumation as delineated in the 2008 Agreement to implement and the Waste Area Group (WAG) 7 Operable Unit 13/14 CERCLA Record of Decision.

Complete the final survey, debris disposition and stabilization of the area following the recent demolition of ARP I. The scope also includes the resources to perform minor demobilization of D&D_s infrastructure in the ICP 2 contract in FY13.

SCOPE TO BE PERFORMED:
Complete waste exhumation of .51 acres and packaging of six targeted waste streams (Rocky Flats process series 741, 742, and 743 sludges, transuranic [TRU] -contaminated graphite wastes, uranium-contaminated roaster oxides, and process filter media) from the ARP VII and ARP VIII waste exhumation footprints. Hire a waste exhumation crew, complete removal of the ARP II waste transfer vestibule, and complete waste exhumation of the balance of ARP III. This work

scope is required in pursuit of the 5.69 acres of targeted waste exhumation as delineated in the 2008 Agreement to implement and the Waste Area Group (WAG) 7 Operable Unit 13/14 CERCLA Record of Decision.

Provide project support to the Accelerate Retrieval Project including:
A. Exhumation facility maintenance and work planning.
B. Nondestructive assay of packaged waste.
C. Subsurface Disposal Area roads and grounds maintenance.
D. Criticality safety support.
E. Safety basis/un-reviewed safety question (USQ) management.
F. Training.
G. Environment, safety, health, and quality (ESH&Q).
H. Life-safety systems.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Project support for the Accelerated Retrieval Project FYs-13 through -15.
B. Hire and train a waste exhumation crew for the Balance of ARP III waste exhumation
C. Remove the ARP II waste transfer vestibule
D. Complete .05 acres of waste exhumation from the Balance of ARP III.
E. Systems operability testing for the ARP VIII waste exhumation facility.
F. Contractor Readiness Assessment for ARP VIII waste exhumation.
G. Completion of .46 acres of targeted waste exhumation from Pit 10West (ARP VII) and Pits 1/2 (ARP VIII) at the RWMC.
H. Targeted waste packaging for delivery to the Central Characterization Project (CCP) for characterization and shipping to Waste Isolation Pilot Plant (WIPP).

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Issues that may develop between regulatory agencies, DOE, and the contractor will be resolved in a timely manner. No regulatory action will negatively affect schedule and cost performance of work scope included in this proposal.
B. The Waste Area Group (WAG) 7 Remedial Design/Remedial Action (RD/RA) Work Plan provides the regulatory framework for execution of the WAG 7 work scope.

4. EXCLUSIONS:
A. Waste characterization costs for the contact-handled TRU (CH-TRU) program to disposition waste to WIPP

#: 19
Title: WAG 7 Waste Disposition

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides for the execution of work necessary to complete characterization and certification of retrieved contact-handled transuranic (CH-TRU) waste and shipment of retrieved

mixed low-level waste (MLLW) offsite for disposal. Waste retrieved from Waste Area Group (WAG) 7 is dispositioned as either CH-TRU or MLLW.

Disposition of retrieved CH-TRU waste relies on the Waste Isolation Pilot Plant (WIPP) Central Characterization Project (CCP) and the Advanced Mixed Waste Treatment Project (AMWTP) for performing characterization and certification of the waste under the CCP certification authorization. CCP prepares Acceptable Knowledge (AK) documentation and performs visual examination (VE), nondestructive assay (NDA), flammable gas analysis (FGA), and waste certification. AMWTP provides waste handling to facilitate CCP characterization activities. AMWTP services are provided under direct contract with the Department of Energy Idaho Operations Office (DOE-ID).

Retrieved waste determined to be MLLW is treated and disposed offsite at approved disposal facilities. The contractor's Waste Generator Services (WGS) organization is responsible for characterizing the waste using AK, NDA, and sampling and analysis as needed, and for certifying the waste and coordinating offsite shipments.

Exhumation of waste includes a total contract acreage of 0.51 acres The WAG 7 Waste Disposition Project accomplishes characterization and certification of all retrieved CH TRU waste and disposal of all retrieved MLLW generated prior to June 30, 2015

SCOPE TO BE PERFORMED:
For purposes of project management and control, this account is subdivided into four packages: Program/Project Management, CH-TRU Operations, CH-TRU Characterization/Certification, and MLLW Disposition.

A. PROGRAM/PROJECT MANAGEMENT
This package provides for project management, administration, and technical support. Project management and administration includes management, project controls, records, quality assurance, administrative support, and travel.
Technical support provides overall project technical and disposition planning support for CH-TRU and MLLW disposition. This support includes activities to plan, develop, implement, and maintain or improve capability to characterize and disposition waste. These activities include development and review of acceptable knowledge (AK) information supporting WIPP characterization and defense determination requirements; maintaining drum-tracking databases and modeling tools to support production planning, reporting, and inventory control for wastes to be dispositioned; providing weekly and other ad hoc project reports; and addressing ongoing and future transportation needs for retrieved MLLW.

B. CH-TRU OPERATIONS
This package provides operational support for the subsequent characterization and certification of CH-TRU waste. This includes ICP support for waste inventory storage and transfer operations between retrieval areas, lag storage areas, WMF-698, and the AMWTP waste receiving area. AMWTP supports CH-TRU waste characterization by performing receipt/inspection and unloading CH-TRU waste received from ICP, moving waste throughout the characterization process, and overpacking selected drums. AMWTP also provides support for the return of waste

received from ICP upon completion of characterization activities. AMWTP work scope is conducted under direct contract with DOE-ID.

C. CH-TRU CHARACTERIZATION/CERTIFICATION

CCP characterizes CH-TRU waste by performing a number of characterization activities. These include collecting and documenting AK; performing VE of the retrieved waste; NDA; and FGA. CCP also validates characterization data and certifies the waste to the WIPP Waste Acceptance Criteria. All of the CCP characterization and certification activities are conducted under the auspices of a WIPP-certified quality assurance program.

D. MLLW DISPOSITION

MLLW is dispositioned by WGS for treatment and disposal at approved offsite facilities. These wastes include targeted roaster oxide wastes that are primarily composed of depleted uranium oxides, as well as targeted organic sludge waste with measured TRU alpha concentrations of <100 nCi/g. These wastes are typically characterized by sampling and analysis and by available NDA data provided by CCP. Using available data, WGS profiles the waste and compares characterization information for conformance with offsite facility waste acceptance criteria. Following MLLW certification for offsite treatment and disposal, WGS coordinates with ICP shipping organizations to affect offsite shipment.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Characterization and certification of all CH-TRU waste to WIPP generated prior to June 30, 2015.

B. Approved AK Summary Report revision supporting the exhumation of the ARP VIII retrieval area.

C. Validated batch data reports documenting the characterization of all CH-TRU waste generated prior to August 1, 2015. Characterization includes VE, NDA, and FGA.

D. MLLW Sampling and analysis data packages.

E. Roaster-oxide waste and WIPP-noncompliant MLLW generated prior to June 30, 2015 shipped for treatment and/or disposal.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

GENERAL

A. Characterization and certification of retrieved buried CH-TRU waste will be performed under the auspices of the WIPP-certified CCP program.

B. No changes will occur in CH-TRU waste characterization and certification requirements that would require resources in addition to those already established under the CCP program.

C. Targeted waste forms that will be generated from retrieval and repackaged at drum packaging stations are limited to the following Rocky Flats Environmental Technology Site (RFETS) wastes: Series 741 and 742 inorganic sludge, Series 743 organic sludge, graphite, filters, and roaster oxide waste.

CH-TRU OPERATIONS

A. AMWTP waste handling support services are funded by DOE-ID directly.
B. AMWTP is funded by DOE-ID at a level necessary to meet contractual requirements.
C. CH-TRU CHARACTERIZATION/CERTIFICATION SERVICES
D. No new waste streams will be generated that would require the development of a long-term objective for gas-generation limits that must be established through gas-generation testing.
E. Two months of lag time is needed from the time of waste generation before waste characterization can be completed to allow for drum transfer, characterization run time, and data validation.
F. Current agreement for CCP direct invoicing to ICP for characterization and certification services of CH-TRU waste will continue for work commencing in February 2014.

MLLW DISPOSITION
A. LLW/MLLW generated from ARP exhumation will be dispositioned for treatment and disposal off the INL Site after sufficient characterization and waste-stream volume quantities accumulate for economical shipping and treatment.
B. A composite sample of roaster oxide will be produced from sampling three drums.
C. Existing IWTS material profiles developed by the WIPP-noncompliant waste disposition project remain valid with the new Idaho Treatment Group contractor.
D. The capability for ARP to perform selective consolidation will continue.
E. For treatment of the roaster-oxide waste, 25% of the generated volume will require stabilization and 75% will prove to be amenable for macroencapsulation treatment.
F. The NNSS remains open to receive treated waste and there are no significant changes to current WAC that would preclude continued receipts of treated wastes.
G. Shipment of roaster oxides will occur after ARP completes excavation, exhumation, and packaging of waste from a given pit.
H. The moratorium for receiving depleted uranium at the Energy Solutions Clive, Utah facility will continue. Roaster-oxide drums generated will be characterized and profiled pursuant to treatment and disposal through PFNW. This disposition pathway opened in response to the moratorium requires packaging to be provided to PFNW for the treated waste.
I. There is no change in vendor utilization. Existing commercial vendors offering treatment and disposal services will maintain their status to treat ARP wastes through CERCLA verification of continued acceptance (VCA) and DOE Consolidated Audit Program (DOECAP) processes.

4. EXCLUSIONS:
A. Quality-affecting materials will be funded by ARP and procured by CCP including (but not limited to) drums, drum liners, and vent filters.
B. Disposition of non-ARP legacy CH-TRU waste.
C. General waste storage operations (which are provided by ARP Operations).
D. Characterization and profiling of non-targeted balance-of-plant LLW or MLLW generated within the RWMC in support of ARP is covered under a different account
E. For the waste disposition activities within this work package, programmatic support provided by other work elements.

F. The MLLW Disposition work package does not include operational rework. Any roaster oxide rework that may be necessary, such as that resulting from characterization nonconformance reports, is funded by the ARP Operations organization.
G. Block training necessary to maintain access to the RWMC and ARP facilities is funded by ARP. Job-specific training for waste technical specialists, waste disposition specialists, and P&T is funded by home organization control accounts.
H. AMWTP waste handling scope and costs are excluded from this account.

#: 20
Title: ER/CERCLA

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account includes 12 scopes of work as follows:
A. Site wide ICP Long Term Stewardship This scope implements the INL Site wide Institutional Controls and Operations and Maintenance (IC/O&M) Plan (DOE/ID 11042), the New Site Identification (NSI) process, and ecological monitoring. Additionally, this work package provides for technical support and training related to IC/O&M.
B. FFA/CO Environmental Data Warehouse This scope provides for the development, operation, maintenance, and enhancement of the Environmental Data Warehouse (EDW) and Geographic Information System (GIS) databases. These databases provide end users with access to historical and current analytical and spatial data. The EDW provides database management and related data management services to the ICP. Functions to be supported include data storage and retrieval, user access, configuration management, and quality assurance of EDW operations.
C. Five Year Review This scope provides for conducting and documenting a draft INL Site wide Five Year Review report. Five year reviews of remedial actions are generally required if, upon completion of the remedial actions, hazardous substances, pollutants, or contaminants will remain above levels that allow for unlimited use and unrestricted exposure. Drivers are CERCLA, the Federal Facility Agreement and Consent Order, and waste area group (WAG) records of decision (RODs).
D. CERCLA Groundwater Monitoring This scope provides groundwater monitoring, water level measurements, and vadose zone monitoring necessary to support the ICP and CERCLA groundwater monitoring responsibilities at the INL Site. Groundwater monitoring is performed to evaluate and report groundwater conditions to meet regulatory requirements, agreements, and DOE orders. This scope also includes well services which includes well logging, routine and non- routine maintenance of existing monitoring wells, and well abandonment, annual reporting of well maintenance, surveillance, and abandonment. Also included are updating monitoring plans for Waste Area Groups (WAGs) 2, 3, 4, and 10. The list below summarizes monitoring and sampling plan scope for this work package by WAG.
1. WAG 2, Aquifer and perched water: Annual Report and Monitoring Plan Update.
2. WAG 3, Aquifer and perched water: Monitoring Plan Update.
3. WAG 4, Aquifer and vapor: Annual Report and Monitoring Plan Update.
4. WAG 7, Aquifer (2 events/year): No reports required.
5. WAG 10, Aquifer: Annual Report and Monitoring Plan Update.
6. ICDF, Aquifer and perched water (2 events/year): No reports required.
E. Munitions and Explosives of Concern This work scope implements the Remedial Design/Remedial Action Work Plan for Operable Units 6 05 and 10 04, Phase IV (DOE/ID

11261, Rev. 1), which includes refining the boundaries of munitions response sites (MRSs) within the Twin Buttes Bombing Range (TBBR) and the Arco High Altitude Bombing Range (AHABR), and reviewing historical information for individual sites within the Naval Proving Ground (NPG) to determine if no action is appropriate. In addition the work plan includes characterizing the Mass Detonation Area (MDA) disposal crater that was used to destroy MEC recovered from the MRSs. This work scope also provides for institutional controls (ICs) within the three munitions response areas (MRAs) (i.e., NPG, TBBR, and AHABR) at the INL Site. ICs will be implemented and maintained for the MRAs where the potential presence of MEC precludes unrestricted land use.

F. TAN Groundwater Remediation This work scope includes the operation, maintenance, monitoring, data collection and analysis, and waste management for OU 1 07B field operations in accordance with the remedy specific remedial design/remedial action (RD/RA) work plans as modified by the In Situ Bioremediation (ISB) Rebound Test Plan and associated documents. Specific tasks include operations, maintenance, and monitoring of the New Pump and Treat Facility (NPTF), maintenance of the Air Stripper Treatment Unit (ASTU) in standby, rebound test groundwater monitoring, maintenance and monitoring of the ISB Injection Facility during the rebound test and additional monitoring for monitored natural attenuation (MNA) and radionuclides. In addition, the work package scope includes operation, maintenance, and monitoring of the ISB Injection Facility following the conclusion of the rebound test in FY 2014. In addition, this work scope covers evaluation of OU 1 07B remedial action (RA) monitoring data, including preparation of the OU 1 07B bimonthly summaries and annual report. The work scope also includes routine Waste Generator Services (WGS) and Environmental, Safety, and Health (ES&H) support and technical support, which includes technical evaluation of data and consultation activities needed to plan, execute, modify the remedial progress of the OU 1 07B remedy, as defined in the OU 1 07B ROD, ESD, and ROD amendment.

G. New Site Remediation This work scope provides for performing, remedial actions at one new CERCLA site, ANL 65, at the INL Site. Remedial actions will include collection and analysis of samples to confirm contaminant concentrations at the site; preparing work control and CERCLA documentation necessary prior to initiating remedial actions, if required; performing remediation (soil removals); and documenting the results of the completed remedial actions in a remedial action summary report.

H. INTEC Operations, Maintenance, and Reporting for Option 2 This work scope provides for remedial actions, reporting, operations and maintenance (O&M), and project management for the OU 3-14 INTEC tank farm soil and groundwater project in accordance with the current Record of Decision (ROD) for Tank Farm Soil and INTEC Groundwater, Operable Unit (OU) 3-14 (DOE/ID-11296). For Fiscal Years (FY) 20013 through 2015 this work package provides for ongoing implementation of the current ROD remedy.

I. RWMC Environmental Monitoring and Reporting This work scope provides for Waste Area Group (WAG) 7 vadose zone sampling, and for reporting of both aquifer and vadose zone sample results to the Agencies, as prescribed in the Phase 1 Remedial Design/Remedial Action Work Plan for Operable Unit 7 13/14 (DOE/ID 11389).

J. OCVZ Operations and Maintenance This work scope provides for operation and maintenance (O&M) of organic contamination in the vadose zone (OCVZ) vapor vacuum extraction and treatment (VVET) system at the RWMC. O&M includes sampling and reporting of relevant information to the Agencies, as prescribed in the Operable Unit (OU) 7 13/14

Operations and Maintenance Plan (DOE/ID 11393). OCVZ O&M are expected to continue until after 2015 unless remediation goals are met or requirements are changed by the Agencies.

K. WAG 7 Compliance This work scope provides Waste Area Group (WAG) 7 products and services to satisfy requirements of the Federal Facility Agreement and Consent Order (FFA/CO) among DOE, the Idaho Department of Environmental Quality (DEQ), and the U.S. Environmental Protection Agency (EPA) (i.e., the Agencies). WAG 7 remediation scope is being performed as stipulated in the Operable Unit (OU) 7 13/14 Record of Decision for RWMC (DOE/ID 11359). This work package provides the scope necessary to prepare documents to comply with CERCLA and the FFA/CO in the areas of targeted waste accountability, to develop compliance documents (e.g., field sampling plans and work plans), to maintain Pad A, and to develop work control documentation.

L. CERCLA & WAG 7 Project Support This work scope provides project support for CERCLA and WAG 7 scope encompassed within the parent control account for FY13 FY15 (E.4.05.01). This activity maintains and monitors performance baselines for technical activities, schedule, and cost for all work. Additional activities are coordination of communication among the project manager, project team, customer, and other stakeholders; monitoring performance against planned scope and weekly charges against scope; preparing weekly and monthly status reports; coordinating activities; interfacing with other ICP projects and programs; participating in weekly Agency conference calls and meetings; and responding to special requests from DOE and ICP management. This activity also provides for training of dedicated project staff.

The drivers include:

A. Federal Facility Agreement and Consent Order

B. Record of Decision Experimental Breeder Reactor I/Boiling Water Reactor Experiment Area and Miscellaneous Sites (DOE/ID 10980)

C. INL Site wide Institutional Controls, and Operations and Maintenance Plan for CERCLA Response Actions (DOE/ID 11042)

D. Record of Decision for Radioactive Waste Management Complex Operable Unit 7 13/14 (DOE/ID 11359)

E. The records of decision for Operable Units: 2 13, 3 13, 3 14, 4 12, 7 08, and 10 08.

F. Groundwater monitoring plans, Waste Calcining Facility RCRA permit monitoring requirements, and Idaho Wastewater Land Application Permit (WLAP) groundwater monitoring requirements.

G. The OU 1 07B ROD, ESD, and ROD amendment, and the remedy specific RD/RA work plans as modified by the ISB Rebound Test Plan and associated documents such as the Monitoring Plan and NPTF Operations and Maintenance (O&M) Plan.

H. Operable Unit 10 08 Record of Decision (ROD) for Site Wide Groundwater, Miscellaneous Sites, and Future Sites (DOE/ID 11385).

SCOPE TO BE PERFORMED:

A. Institutional Controls and Operations and Maintenance: This work scope includes coordinating and conducting Site wide IC/O&M assessments at the INL and resolving any findings (e.g., replacing signs and repairing subsidence), preparing annual Site wide IC/O&M reports, and performing ongoing institutional control (IC) activities such as preparing Notice of Soil Disturbance (NSD) forms and administering the Long Term Stewardship Tracking System.

B. Annual IC/O&M Assessments: IC/O&M assessments and reporting will be conducted annually in accordance with the INL Site Wide IC/O&M Plan (DOE/ID 11042). The INL Site Wide IC/O&M Plan (DOE/ID 11042) will be reviewed prior to annual IC/O&M assessments and will be revised if needed. IC assessments will be performed for Waste Area Groups (WAGs) 1, 2, 3, 4, 5, 6/10, and 7, recorded on the IC assessment checklist and WAG specific operations and maintenance (O&M) log provided in the IC/O&M Plan. Noted deficiencies will be resolved. Annual O&M inspections will be performed for WAGs 1, 2, 4, 5, and 6 to assess subsidence and erosion of site barriers, evaluate the condition of vegetative cover, observe evidence of animal intrusions, and determine the presence of noxious and invasive weeds. Additional O&M activities include conducting radiological surveys, performing necessary maintenance, and controlling weeds.

C. Annual IC/O&M Report: Site wide IC/O&M report will be prepared annually that summarizes the status of IC/O&M sites at the INL and reports IC/O&M activities (e.g., subsidence repairs).

D. Notice of Soil Disturbance: Soil disturbances at IC sites will be documented on an NSD form and submitted to DOE, the Environmental Protection Agency, and the Idaho Department of Environmental Quality (i.e., the Agencies).

E. Long Term Stewardship Tracking System: The Long Term Stewardship Tracking System will be maintained and updated annually in conjunction with annual inspections. Internal and external access will be maintained through two websites.

F. New Site Administration: This work scope includes management of the INL new site process and includes the following tasks.

a. Implement ICs on new sites.

b. Complete the initial evaluation of new sites, which may include an assessment of field screenings, sample results, process knowledge, and site observations.

c. Prepare Part A of the New Site Identification (NSI) form, Form 435.36, and submit for Agency approval in accordance with the IC/O&M Plan (DOE/ID 11042).

d. Complete Part B of the NSI form, using existing characterization data, for the follow new sites:

e. TRA 04, TRA warm waste retention basin (TRA 712)

f. TRA 75, TRA 655 floor drains

g. TSF 28, Sewage treatment plant

h. TSF 43, Radioactive storage area

i. ANL-67, Buildings MFC-767 and -795

j. CPP-139, INTEC Buildings CPP-601, -602, -627, and -640 Landfill

k. TSF-61, V-Tanks and TAN-607 Soil Contamination Area

l. CPP-140, Shallow Injection Well 47-CPP (Well ID 2017)

m. CPP-141, Shallow Injection Well 35-CPP (Well ID 1890)

n. Prepare and submit for Agency approval field sampling plans (FSP) for TRA-80, TRA-79, CPP-137 and CPP-138.

o. Add new sites to the Long Term Stewardship Tracking System.

G. Ecological Monitoring: The scope for preparation and completion of the 10 04 Phase I Remedial Action Report for the Ecological Monitoring.

I. Data management: Quality assured data are uploaded to the EDW database for access by end users. Sections XIX and XX of the FFA/CO require that quality assured data be placed in a

database within 75 to 120 days of completing field sampling. Data entry support is provided to ICP environmental remediation projects. Capability is maintained for projects to create customized queries, either directly or with the support of EDW staff, and select and sort portions of the EDW for review.

J. Sample management: Functionality is provided for sample and analysis management from development of sample plans to validation of analytical results. This functionality includes processes necessary to plan, collect samples, analyze samples through contract, and collect and validate results needed to meet the requirements of the FFA/CO.

K. Data administration: These activities ensure the integrity of quality assured data once uploaded to the EDW from contract laboratories. The structure and security of data tables in the development and production databases are maintained and updated as required by the growth of the system.

L. Quality assurance: Software configuration management activities will take place consistent with ongoing software maintenance. Configuration control is maintained through approved company processes.

M. Hardware: GIS hardware is maintained and capital improvements and licenses are incorporated as necessary.

N. GIS base data: INL historical base data layers necessary to support the needs of the ICP are updated and maintained. Configuration of GIS data, including the basis for changes, is controlled.

O. GIS visualization: Capability is provided to supply ICP users with maps and cartographic analyses. Procedures and other documentation required to support data and GIS administration are developed and maintained as needed to meet user requirements. Additionally, provisions are included to ensure that GIS data personnel are trained to the current version of visualization and mapping software.

A. Prepare a draft Site wide Five Year Review report.

a. Identify and accumulate data to be included in the five year review.

b. Review and evaluate data.

c. Prepare a draft Site wide Five Year Review report.

d. Complete internal document revision form (DRF) review of the draft Five Year Review report.

e. Incorporate internal DRF comments and submit the draft to DOE for review.

f. Incorporate DOE comments and submit the draft to EPA and IDEQ for review.

CERCLA Groundwater Monitoring The scope for this work scope includes annual and semi-annual groundwater sample collection from monitoring wells as required by each WAG in accordance with the FFA/CO or RCRA permit. Sampling crew activities includes radiological monitoring (with radiological control [RadCon]), equipment management, purge water containment or disposal, sample documentation, completion of the field logbooks, and chain of custody and arranging delivery to laboratories. Individual groundwater monitoring activities include:

A. Revision of analytical laboratory subcontracts annually.

B. Review of groundwater monitoring and sampling plans from each ICP project, and monitoring and sampling groundwater as required.

C. Analysis of Site wide groundwater monitoring activities to identify potential for and enact reductions in groundwater sampling through reductions in frequency, number of sampling locations, and number of analytes.
D. Preparation of task order statements of work (TOSs), sample analysis plan (SAP) tables, and other documents required for ICP sampling events.
E. Coordination and management of sample scheduling, collection, and troubleshooting in conjunction with the field sampling crew and respective ICP projects.
F. Collection and shipment of samples to the appropriate laboratory.
G. Tracking of the status of sample analysis and analytical results from the laboratories.
H. Preparation of L&V reports on the same frequency as sample collection.
I. Preparation and transmittal of annual groundwater monitoring reports for WAGs 2, 4, and 10.
J. Review and updating annually of the monitoring plans for WAGs 2, 3, 4 and 10.
K. Measurement and recording of groundwater levels in conjunction with sampling.
L. Response to required actions as defined by the compliance regulations and DOE orders.
M. Conduct of project management tasks, including schedule and cost control, oversight, weekly and monthly reporting, and a limited number (e.g., one per month) of other ad hoc requests.
N. Maintenance of required annual training for core personnel.
O. Preparation of work scope and other required work control documents.
P. Photographing of field activities.
Q. Oversight of groundwater monitoring (e.g., management walk down).
R. Performance of regular housekeeping.

Well Services
A. Identification of well maintenance issues relating to the ICP well services group.
B. Conduct of preventative well maintenance and repairs on approximately 40 wells annually in FY 2013 through FY 2015 to support CERCLA, RCRA, and WLAP groundwater monitoring. Unscheduled maintenance and repairs will be performed as needed and identified by samplers, surveillance personnel, and auditors.
C. Annual surveillance of a subset of ICP monitoring wells in FY 2013 through FY 2015 to identify and prioritize well maintenance activities.
D. Abandon wells as needed with the maximum number not to exceed 40 in a fiscal year.
E. Report well abandonment, inspection, and maintenance annually.
F. Coordinate resources, equipment, well logging, subcontracts, work control, and other activities as necessary to efficiently and safely install and log soil borings and core holes, Snake River Plain aquifer wells, perched water wells, vadose zone monitoring wells, and instrumented boreholes as a service to individual ICP and INL projects.
G. Annually maintain and schedule the Gamma Spectroscopy Logging System (GSLS)/video logging system and Geophysical Logging Van.

A. Define and refine the boundary of the TBBR MRS.
B. Define and refine the boundary of the AHABR MRS.
C. Review historical information at individual sites within the NPG to confirm if MEC are present and determine if no action is appropriate.
D. Prepare a Field Sampling Plan to characterize the MDA disposal crater.

E. Characterize the MDA disposal crater that was used to destroy MEC recovered from the MRSs.
F. Prepare and submit a draft Phase IV Remedial Action Report to the agencies in FY 2015 as a primary document under the FFA/CO.
G. Implement ICs in accordance with the INL Site wide IC Operations and Maintenance (O&M) Plan (DOE/ID 11042).
H. Conduct surveys for MEC prior to surface or subsurface soil disturbance within the ordnance areas at the expense of the requesting organization, in accordance with the Site wide IC and O&M Plan (DOE/ID 11042).

A. Maintain the ISB facility.
B. Operate and maintain the NPTF.
C. Maintain the ASTU.
D. Monitoring of ISB, and NPTF
E. Groundwater monitoring of the TCE plume, which includes sampling and analysis, and data evaluation.
F. Annual water level monitoring.
G. Preparation of the OU 1 07B Annual Report. The annual report contains an evaluation of the progress of each remedy component and includes recommendations for how the remedy should be operated.
H. Preparation and presentation of project status summaries for the Agencies.

A. Preparation of Pre Remediation Documentation This work scope includes preparation of plug in memoranda identifying the justification for performing remedial actions, and defining the remedial actions to be performed; preparation of explanation of significant differences documenting that the sites meet the remedy profile; identifying applicable or relevant and appropriate requirements (ARARs) and the basis for action, and cleanup levels; preparation of field sampling plans detailing the sampling approach; preparation of task order statements of work (TOSs) and sampling and analysis plan (SAP) tables and other documentation required for sampling the sites; and preparation of work orders and other work control documentation required to perform remedial actions.
A. B. Completion of Remedial Actions This work scope includes the performance of remedial action at Site ANL 65 if required, as described in the plug in memoranda and work control documents, and conducting pre final and final inspections with the Agencies.
B. C. Remedial Action Summary Report A remedial action report will be prepared for each site following completion of remedial actions including a summary of the action, results of sampling, and confirmation that the remedy is operational and functional.

A. Remedial Actions: The current OU 3-14 remedy requires phased remediation, with Phase I comprising ongoing work outside the tank farm boundary and Phases II and III comprising work inside the tank farm boundary as defined in the Remedial Design/Remedial Action Work Plan (RD/RA WP) (DOE/ID-11333, 2008). Phase II is scheduled to begin in 2017 and Phase III will begin following INTEC closure. Thus, the work package scope only includes ongoing Phase I activities through FY15.
B. Reporting: With DOE direction to not implement Phase II scope, an Interim Remedial Action Report (IRAR) will be issued for the Phase I remedial actions in FY13. In addition, a

minor revision to the Remedial Design/Remedial Action Work Plan (RD/RA WP) (DOE/ID-11333, 2008) will be prepared for Agency acceptance by June 27, 2013.

C. Operations and Maintenance: O&M scope comprises ongoing Phase I actions to reduce recharge to the perched water and to reduce anthropogenic water losses, maintenance of existing remedy components, and associated reporting. O&M is performed in accordance with the OU 3 14 Tank Farm Soil and INTEC Groundwater O&M Plan (DOE/ID 11337). The O&M Plan specifies requirements for maintenance, managing water, drainage inspections, telemetry maintenance, data collection, water usage and balance calculations, and reporting. This work package provides for this scope to be performed during FY13 through FY15.

A. The CERCLA Vadose Zone Monitoring and Maintenance scope includes WAG 7 field activities necessary to prepare for and collect soil moisture and perched water samples from in and around the RWMC, as described in the Vadose Zone Field Sampling Plan for Operable Unit 7 13/14 (PLN 3224). This scope includes analysis of the samples by subcontracted laboratories and routine maintenance of the lysimeters and activities to support work control. Also included in this work package are the maintenance, winterization and repair of sampling equipment and sampling ports.

B. Reporting includes semi-annual letter reports for both groundwater and vadose zone sample results. Reporting encompasses the scope necessary to validate sample data, assess the data, assign data flags, and report valid detections to the Agencies.

Scope is limited to O&M of VVET Units D, E, and F; sampling and analysis for volatile organic compounds in subsurface vapors from monitoring wells inside and outside RWMC; and associated documentation and reporting. The work scope of OCVZ Operations is divided in two categories: OCVZ O&M and reporting, as described below.

A. OCVZ O&M includes maintenance and day to day operations of the three VVET units. Maintenance activities include preventive maintenance on the units, corrective maintenance, and vapor sampling. O&M tasks include scheduling day to day operations, developing work controls, implementing the work, and obtaining support from Procurement, Waste Management, Radiological Control (RadCon), and Industrial Safety. To meet reporting requirements, influent and effluent samples are taken daily from the units. Monthly and quarterly vadose zone vapor samples are taken inside and outside RWMC. Scope includes analysis of these samples. Additional activities include updating the OCVZ vapor monitoring database with monthly and quarterly sampling data, maintaining sampling equipment (air pumps, sampling bags, and batteries), and checking one in 20 samples for quality assurance and quality control.

a. Monthly, quarterly, semi-annual, and annual preventive maintenance.
b. Corrective maintenance and calibrations.
c. Bruel & Kjaer (B&K) photoacoustic analyzer and associated equipment upgrades and corrective maintenance.
d. Daily surveillance, operational checks, and inlet vapor sampling.
e. Control and maintenance of the Supervisory Control and Data Acquisition (SCADA) system.
f. Inlet vapor analysis and radiological sampling and analysis of filters.
g. VVET and B&K equipment and miscellaneous parts procurement.
h. OCVZ well vapor sampling equipment and parts procurement.

i. Operations waste management and chemical inventory.
j. Well vapor sampling and onsite field analysis.
k. Providing electrical usage costs and obtaining spare parts.
l. Maintenance of essential documents (e.g., master facility as built drawings, equipment lists, system design documents, daily operating logs, work packages, operating procedures, and engineering change documents).
m. Catalyst change out (if required).
n. Well and piping maintenance and inspection.

B. Reporting: As part of compliance with the OU 7 13/14 O&M Plan (DOE/ID 11393), regular reporting to the Agencies is required. Monthly informal status reports are provided to the Agencies as well as annual summary letter reports. In addition to these, a required set of project engineering functions includes:
a. Revision, review of, and issuing project documents including the OU 7 13/14 O&M Plan (DOE/ID 11393) and its appended field sampling plan, technical procedures, and health and safety plan.
b. Keeping and maintaining operational logbooks.
c. Maintaining the OCVZ Data Collection and Reporting System (ODCRS).
d. Sampling and analyzing emissions for radioactivity and chemicals to support environmental reporting.
e. Measuring and monitoring destruction and removal efficiencies.
f. Support of the project as needed, including project controls, environmental requirements, quality assurance, procurement, administration, and records management.
g. Preparing presentation materials for periodic progress meetings with the Agencies.

A. Targeted Waste Accountability This work scope provides for tracking and reporting on targeted waste exhumation metrics necessary to comply with the 2006 Agreement to Implement. This includes operation and maintenance of the Buried Waste Information System and its associated databases, and maintaining an Internet user interface. Information tracked and reported includes:
a. Types and amounts of targeted waste exhumed.
b. Waste found compared to waste mapped.
c. Area of 5.69 acres completed by grid.
d. New waste drums created by targeted waste exhumation.
e. Visual examination characterization data for waste drums.
f. Assay characterization data for waste drums.
g. Volume of waste shipped out of Idaho.
h. Sample results for non-targeted waste and under burden samples.
B. Subsurface Disposal Area (SDA) Compliance This scope provides for revising miscellaneous reports if necessary (i.e., aquifer and vadose zone field sampling plans, health and safety plans, job safety analyses, and technical procedures), the effort to provide WAG 7 information to support development of the five year review in FY 2015, and producing the following specific compliance documents:
a. Phase I Remedial Design/Remedial Action Work Plan: This scope provides for developing revision 2 of this document to incorporate an update to the project schedule and adds ARP VII and ARP IX.

b. Five Year Operations and Maintenance (O&M) Report: This scope provides for developing and completing this report as required by the Phase 1 Remedial Design/Remedial Action (RD/RA) Work Plan for OU 7 13/14 (DOE/ID 11389).
c. Five Year Monitoring Report: This scope provides for developing and completing this report as required by the Phase 1 RD/RA Work Plan for OU 7 13/14 (DOE/ID 11389).
d. Phase 3 Remedial Design Work Plan: This scope provides for developing and completing the Phase 3 Remedial Design Work Plan. This work plan will establish agreement among the Agencies on scope necessary to complete the design for the Subsurface Disposal Area (SDA) surface barrier.
e. Interim Remedial Action Report: This scope provides for producing revision number 3 to the Phase 1 Interim Remedial Action Report for OU 7 13/14 Targeted Waste Retrievals (DOE/ID 11396) in accordance with the Phase 1 RD/RA Work Plan for Operable Unit 7 13/14 (DOE/ID 11389).
f. SDA O&M: This scope provides for inspecting Pad A, maintaining its soil and riprap cover, controlling weeds, and reporting as detailed in the OU 7 13/14 O&M Plan (DOE/ID 11393). This also includes development of procedures and safety basis necessary to perform field work.

A. Project Management.
B. Technical integration
C. Work planning and scheduling.
D. Training.
E. Environment, safety, health, and quality (ESH&Q).

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Annual IC/O&M reports.
A. Revised INL Site wide IC/O&M Plan (DOE/ID 11042).
B. Completed NSI Part A for newly identified sites.
C. Completed NSI Part B for the four sites identified above.
D. TRA 80 field sampling plan.
E. TRA 79 field sampling plan.
F. 10 04 Phase I Remedial Action Report for Ecological Monitoring.
G. Work Package
H. Web based access to validated and approved environmental data.
I. Project specific reports and functionality.
J. Functionality to support sample management from cradle to grave.
K. Updated procedures and plans as new data sources are added to the EDW or existing structure is changed.
L. Change control documentation for system configuration.
M. GIS operations and maintenance is a level of effort activity that will not directly result in major deliverables. Routine products generally are provided to the projects at their expense. EDW operations and maintenance is a level of effort activity that will not directly result in major deliverables.

A. Draft Site wide Five Year Review Report (for Agency review).

A. Weekly routine status reports for management.
B. 14 day notices to DOE ID for upcoming sampling events for WAGs 1, 2, 3, 4, 7 and 10.
C. The 120 day L&V reports to Agencies for WAGs 2, 3, 4, and 10.
D. Annually updated groundwater monitoring plans for WAGs 2, 4, and 10.
E. Annual well maintenance, surveillance, and abandonment reports.

A. Completed MRA activity notification (MRAAN) forms.
B. Field Sampling Plan for MDA disposal crater sampling and characterization.
C. Draft Phase IV Remedial Action Report.

A. OU 1 07B Annual Report.
B. Rebound test report.

A. Completed remediation of ANL 65.
B. A completed remedial action report.
C. A completed explanation of significant differences fact sheet.
D. Completed Plug in Memoranda.

A. A. Phase I Interim Remedial Action Report FY 2013.
B. B. RD/RA WP (DOE/ID-11333), Revision 1 FY 2013
C. O&M Annual Reports.

A. Semi-annual vadose zone letter reports.
B. Semi-annual groundwater monitoring letter reports.

A. OCVZ O&M Maintained essential documents (e.g., master facility as built drawings, equipment lists, system design documents, daily operating logs, work packages, operating procedures, and engineering change documents).
B. B. Reporting Informal monthly status reports and annual letter reports, a revised OU 7 13/14 O&M Plan, and a revised health and safety plan.

A. Five Year O&M Report (new).
B. Five Year Monitoring Report (new).
C. Phase 3 Remedial Design Work Plan for OU 7 13/14 (new).
D. Phase 1 Interim Remedial Action Report for OU 7 13/14 Targeted Waste Retrievals (Revision 3).
E. Revision 2 of the Phase 1 Remedial Design/Remedial Action Work Plan for Operable Unit 7 13/14.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. For munitions of explosive concern (MEC) IC sites, this work package covers IC inspections, maintenance of signs, and annual reporting. Other elements of MEC ICs are provided under Work Package, Munitions and Explosives of Concern Institutional Controls.

B. O&M activities of the pump and treat facility at Test Area North (TAN) are included in Work Package TAN Groundwater Remediation.
C. Operation and maintenance activities at the organic contamination in the vadose zone (OCVZ) units at RWMC are included in Work Package OCVZ Operations and Maintenance.
D. O&M activities at the Idaho CERCLA Disposal Facility (ICDF) are included in Work Package, ICDF Operations.
E. O&M activities for the Tank Farm Interim Action are included in Work Package INTEC Operations, Maintenance and Reporting.
F. Sufficient characterization data exists to complete NSI Part B for the four sites identified above.
G. NSI Part A for all potential sites identified as of 9/30/12 will be completed by January 7, 2013.
H. NSI Part A for potential new sites identified post 9/30/12 will be completed within 90 days of identification (defined as notification to the Agencies of potential new site).
I. Changes in security regulations will not negatively impact schedule or prohibit the completion of scope.
J. Work Package
K. Funding for all required computer hardware, servers, support personnel, and computer operations will be provided by the Information Technology (IT) organization.
L. Data owners are responsible for providing correct information to correct deficiencies in their data once identified.
M. Historical information is readily available to allow correction of deficiencies in current data.
N. Sample and Analysis Management provides resources for added system functionality and updates to analytical subcontract information.
O. The INL Site landlord (Battelle Energy Alliance, LLC [BEA]) will continue to subcontract support from ICP for EDW and GIS to support their specific interests.

A. Five year reviews will be conducted in accordance with EPA and DOE guidance. Results of the 5 year review will be compiled into a single report (excluding WAG 8, the Naval Reactors Facility [NRF]).
B. The five year review for WAG 8 (NRF) will be conducted by NRF personnel separately from this 5 year review.
C. BEA will provide the WAG 9 section of the five year review report.
D. Work Package
E. Investigation derived waste (IDW) will be generated and limited to monitoring activities. Disposal will be available for such waste. Site Operations Services assumes cost to manage purge water.
F. Sampling frequency and the number of wells will be determined by each ICP facility being sampled. The frequency, number and type of analytes will not increase from those existing in FY 2012.
G. Field sampling plans (FSPs) will be completed and maintained by the appropriate ICP facilities for WAGs 1 and 7 and the Idaho CERCLA Disposal Facility (ICDF).
H. Monitoring equipment and personnel will remain accessible and usable for ICP project groundwater monitoring.
I. The Environmental Services Project will continue to provide trained samplers.

J. ICDF will remain available for disposal of purge water.
K. Sufficient laboratories will continue to be available for the volume and type of samples specified by (FSPs).
L. Individual ICP projects will evaluate and report sampling and water level measurements for WAGs 1 and 7 and ICDF.
M. Water level measurements will be taken as site conditions allow.
N. Closures of the Subsurface Disposal Area (SDA) because of subsidence or other reasons will not negatively impact the schedule.
O. ICP's Sample Analysis and Management will regularly assess off INL Site laboratory capacity and performance to ensure that laboratories maintain approved status.
P. Co sampling with the Tribes, United States Geological Survey (USGS), and the State of Idaho will not impact the sampling event schedule or increase the cost to perform the sampling.
Q. Eight DOE approved analytical laboratories are available for off INL Site analytical services.
R. DOE will continue funding the USGS for services to ICP, including geophysical logging, deviation logs, down hole camera logging, and responses to data requests.

A. Existing hazard assessment and safety analysis documents will not require revision.
B. Soil contaminated with munitions constituents will not be removed from the MDA disposal crater.
C. Only one MEC disposal detonation will take place per year.
D. The MDA disposal crater will continue to serve as the disposal location for MEC.
E. If an external project requires an area within an MRA to be surveyed and/or cleared, the external project will cover
F. the costs.

A. Scope and schedule identified in existing OU 1 07B RD/RA work plans as modified by the ISB Rebound Test Plan will be implemented with no changes.
B. If plume expansion triggers the requirement to drill new well(s), this scope will be negotiated with DOE pursuant to Section I.81, Changes clause.
C. O&M of OU 1 07B facilities will be completed in a fashion similar to FYs 2009 and 2010.
D. Criteria to operate the ASTU as a contingency will not be triggered and ASTU will remain in standby.
E. The Agencies will not change the strategy for implementing ISB or NPTF operations from current implementation.

A. This work package contains scope for only one site (ANL 65).
B. The preparation of the New Site Identification (NSI) forms will be completed under the Work Package Site wide ICP Long Term Stewardship.
C. Site will be cleaned up to meet the remediation goals established in the OU 10 08 ROD.
D. OU 10 08 plug in remedy will be applied to the cleanup of the site.
E. Contaminants that are not identified in the OU 10 08 plug in remedy profile will not be present at the sites.

F. Generated waste will meet the waste acceptance criteria of the Idaho CERCLA Disposal Facility (ICDF) and will be removed and transported to the ICDF for disposal or other appropriate alternative.
G. Agencies will approve the NSIs forms implementing the OU 10 08 plug in remedy, and a remedial investigation/feasibility study will not be necessary.

A. INTEC Facility D&D and other Idaho Cleanup Project integrated schedule activities will not adversely impact components of the OU 3-14 remedy.
B. Tank farm infrastructure that supports the liquid waste transfer line between CPP 604 and the NWCF will not remain active following Tank Farm Facility Closure and D&D of CPP 604.
C. Tank farm tanks will be cleaned and grouted by January 2017.
D. Tank farm load restrictions will be eliminated upon completion of the Tank Farm Facility Closure.
E. Load restrictions over subterranean Building CPP 756 will be eliminated upon the in place grouting of the building, which is to be performed by another project.
F. The remediation strategy in the revised RA WP (DOE/ID-11333) will include construction of the Phase II low permeability pavement inside the tank farm with key milestones for implementation For the purpose of this work package, it is assumed that completion of Phase II planning and scope implementation will not be required.
G. The Phase III ET/CB will extend over and be protective of the tank farm northern quadrant, thus eliminating the need for further characterization.
H. The OU 3 14 remedy does not require the extraction or removal of lead (Pb) from the tank farm, the rerouting of utilities or the relocation of controls or control systems.
I. DOE will implement DOE Order 413.3B, Program and Project Management for the Acquisition of Capital Assets; therefore, implementation is not included in this work package.
J. Agency document reviews will be conducted concurrently and in accordance with FFA/CO established timeframes with no requested extensions.
K. OU 3-14 RD/RA Work Plan changes will comprise only revised milestones for completion of the OU 3-14 remedy. No additional Phase I scope will be identified.
L. Change to the OU 3 14 ROD will be addressed in an Explanation of Significant Difference (ESD) or lesser and not via a formal amendment to the ROD.
M. If DOE accelerates Phase II installation, the DOE contracting officer will provide direction to proceed along with funding to cover design and construction.
N. No new monitoring wells or additional telemetry or like modifications to existing wells will be required.
O. Agency Pre final Inspections will be supported during project construction activities, prior to subcontractor release.

A. Procedure and work control systems will not significantly change.
B. The number of samples per event will not change by more than 10%.
C. Current requirements for monitoring frequency, methods, and analyze priorities will not change.

A. Reporting levels to the Agencies will not increase.
B. Catalyst change out will occur when required.
C. No liquid requiring the use of Pump 101 will be encountered.

D. Radioactive material will not be drawn from the wells into the treatment units.
E. Maintenance requirements will not increase as VVET units age.
F. Additional requirements for sampling stack emissions will not be identified.
G. Treatment of stack effluent or emissions will not be required.
H. Regulatory requirements for percent efficiency of existing catalytic oxidizers will not increase.
I. New wells or rerouting of existing well lines will not be required.
J. Subsurface Disposal Area (SDA) cleanup activities will not require significant changes in OCVZ O&M.
K. Wells and pipelines will not require repair or maintenance.
L. The OCVZ Field Sampling Plan will be maintained as an appendix to the OU 7 13/14 O&M Plan (DOE/ID 11393).

A. Maintenance and remediation of cold test pits will not be performed.
B. No additional National Environmental Policy Act (NEPA) documentation will be required.
C. Tracking and reporting requirements for targeted waste accountability will not change.

4. EXCLUSIONS:
A. This work scope does not include site characterization for new sites.
B. NSI Part B will not be completed for new sites beyond those identified above.
C. FSPs will not be prepared for new sites beyond those identified above.
D. Does not include scope to perform sampling required by the FSPs identified above. Following Agencies approval of the FSPs, and upon consultation with DOE, new scope to perform sampling may be added per the contract change clause.
E. Scope to support the INL Site landlord (BEA) for GIS and EDW.
F. Scope to maintain servers and software updates for GIS and EDW.
G. Scope for performing the NRF (WAG 8) 5 year review is not included. That scope will be performed by NRF personnel.
H. Drilling and installation of new groundwater or perched water monitoring wells.
I. Co sampling of groundwater by the Tribes, USGS, and the State of Idaho.
J. In the rare case that MEC must be detonated in place rather than at the MDA disposal crater, cleanup of residual contamination will occur as part of the remediation of the associated MRA.
K. No area within an MRS or MRA will be cleared for unrestricted land use.
L. MEC remediation, as defined in the OU 10 04 ROD, is excluded from this scope
M. If soil remediation is necessary to close the MDA, the contractor may be asked to address this pursuant to Section 1.81, Change clause.
N. WAG 1 (TAN) Vadose zone investigation prior to 2016.
O. Installation of additional ISB injection wells prior to 2016
P. A radionuclide investigation or remedy for WAG 1 prior to 2016
Q. Waste treatment activities for site remediation, if required.
R. Remediation that does not qualify for the plug in remedy under OU 10 08 for ANL 65.
S. D&D of inactive tank farm facilities and infrastructure.
T. The extraction or removal of lead (Pb) from the tank farm, the rerouting of utilities or the relocation of controls or control systems to support the OU 3 14 remedies.

U. Major INTEC plant modifications such as HVAC upgrades or utility re-routes for reducing anthropogenic water to the vadose zone.
V. WAG 7 Monitoring network design efforts to support Phase 3 (e.g., surface barrier), because any changes to the monitoring network will be defined by the pending Phase 3 Remedial Design Work Plan (FY 2014).
W. New monitoring or extraction wells for WAG 7, because the current system is approved by the Agencies and there are no plans to change this until after the surface barrier is designed.
X. Modifying the WAG 7 OCVZ system (e.g., wells, pipelines, and treatment units) to accommodate other activities in RWMC (e.g., the Accelerated Retrieval Project, or deactivation and demolition [D&D]). Any modifications to the OCVZ system that may be required are included in the scope that requires the change.
Y. Scope necessary to complete the design for the SDA surface barrier is not included because the pending Phase 3 Remedial Design Work Plan will define this scope (FY 2014). This exclusion includes borrow source evaluations, cap design, treatability studies, and other actions necessary to implement the Phase 3 Remedial Design Work Plan.
Z. This account does not provide project support for the Accelerated Retrieval Projects (ARPs), RWMC balance of plant, or sludge re packaging work in ARP V.

#: 21
Title: Idaho CERCLA Disposal Facility

1. GENERAL WORK DESCRIPTION: (provide general work scope description)

During the implementation of the U.S. Department of Energy Idaho Operations Office (DOE-ID) site Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) projects, a variety of waste types such as low-level, mixed low-level, and hazardous, including polychlorinated biphenyl wastes, are generated that require storage, treatment, and disposal. The Idaho CERCLA Disposal Facility (ICDF) was authorized in the Operable Unit 3-13 Record of Decision for management of these waste types. The major components of the ICDF include the following: landfill (510,000 cubic yards design disposal capacity), evaporation pond (consisting of two cells), administration trailer, scale, decontamination building with treatment area (not in use), contaminated equipment pad (not in use), and staging and storage areas. The ICDF has been operating since 2003.

The scope of this account consists of the management and operation of the ICDF Complex including safe/compliant disposal of CERCLA soil and debris into the landfill, receipt of waste liquids into the evaporation ponds and maintenance of all facilities and systems within the ICDF Complex.

ICDF Complex Operations

This account contains the necessary activities for management and operation of the ICDF Complex. Beginning October 1, 2012, the management and operation of the ICDF complex will be self-performed by ICP. Based on the waste generation estimates for fiscal years 2013-2015, the majority of the CERCLA soil and debris generated by ICP will be shipped to a commercial disposal facility while liquid waste will continue to be disposed of at ICDF.

Complex operations scope includes the resources, both labor and equipment, necessary to maintain the ICDF Complex in accordance with the Remedial Action Work Plan (DOE/ID-10984), the ICDF Complex Operations and Maintenance Plan (DOE/ID-11000), the ICDF Complex Waste Acceptance Criteria (DOE/ID-10881), and the DOE 435.1, "Radioactive Waste Management," Disposal Authorization Statement. This scope includes the resources needed for safe and compliant operations and disposal of CERCLA soil and debris into the landfill and of CERCLA waste liquids into the evaporation ponds.

SCOPE TO BE PERFORMED:

A. ICDF Complex Operations

a. Safe and compliant operations for the transport, receipt, and disposal of CERCLA soil and debris into the landfill.

b. Safe and compliant operations for the receipt and disposal of CERCLA waste liquids into the evaporation ponds.

c. Management and operation of leachate collection systems.

d. Management and operation of enhanced evaporation systems.

e. Management of the level of liquids in the evaporation pond at or below compliant levels.

f. Performance of annual landfill survey to determine appropriate landfill utilization.

g. Safe and compliant operations for in-cell and void-space reduction activities required to comply with landfill subsidence requirements.

h. Transport 159 empty cargo containers from Advanced Mixed Waste Treatment Project (AMWTP) (70 in FY 2014, 89 in FY 2015), place them in the landfill, and grout in place to eliminate void space.

i. Maintenance of all facilities, grounds, equipment, and operating systems within the ICDF complex including the landfill and related crest pad building, the evaporation pond and related crest pad building, scale, decontamination building, contaminated equipment pad, staging and storage areas, and the administrative facilities at the complex.

j. Routine daily, weekly, monthly, and quarterly surveillance and monitoring of the facilities, equipment, systems, and activities taking place within the ICDF complex.

B. ICDF Complex Project Management

a. Establishing and maintaining subcontract(s) for the operation of the ICDF Complex.

b. Oversight of the ICDF Complex subcontractor activities.

c. ICDF project management, project engineering, project control, planning, environmental affairs, document control, records management, and administrative services.

d. Oversight of environmental, safety, and health; fire protection; industrial hygiene; and quality assurance subcontractor-performed operations and activities.

e. Maintenance of the radioactive waste management basis for the ICDF.

f. Configuration management including control of the facilities and systems in the ICDF complex.

g. Preparation of special analyses required for special-case waste to be disposed of at the ICDF.

h. Collection, analyses, and interpretation of groundwater and perched water monitoring data in accordance with the approved ICDF Complex Ground Water Monitoring Plan (DOE/ID-10955).

i. Collection, analyses, and interpretation of leachate, leak detection, evaporation pond, sediment and pump station monitoring data in accordance with the approved ICDF Complex Operational and Monitoring Sampling and Analysis Plan (DOE/ID-11005).
j. Revision and approval of generating site waste profiles and determination of acceptability of waste at the ICDF Complex in accordance with the land disposal restrictions, ICDF Complex waste acceptance criteria (WAC) (DOE/ID-10881), and the ICDF performance assessment (DOE/ID-10978).
k. Revision and maintenance of the ICDF Complex WAC report (DOE/ID-10881), ICDF Waste Placement Plan (EDF-ER-286), ICDF Complex Remedial Action Work Plan (DOE/ID-10984), ICDF Complex Operations and Maintenance Plan DOE/ID-11000), ICDF Complex Sampling and Analysis Plan (DOE/ID-11005), ICDF Complex Ground Water Monitoring Plan (DOE/ID-10955), and supporting documentation as required.
l. Maintain the Disposal Authorization Statement for the ICDF in accordance with the ICDF Maintenance Plan including preparation of the ICDF Annual Review and Annual Determination.
m. Generation and dissemination of monthly status reports.
n. Coordination and interfacing with the Idaho Department of Environmental Quality (DEQ) and the U.S. Environmental Protection Agency (EPA) Region X for primary and secondary document revisions, progress on remediation, and changes to approved paths forward.
o. Participation in the Low-Level Waste Disposal Facility Federal Review Group (LFRG) semiannual business meetings and the DOE Technical Community of Practice.
p. Conduct an evaluation of the perimeter soil requirement and negotiate with the Agencies a reduced perimeter, if appropriate, so that additional deactivation, decontamination, and decommissioning debris can be added to accommodate the disposition of the New Waste Calcining Facility (NWCF) disposition after 2015.
q. Develop an operations schedule for ICDF showing expected periods of active use and standby status by January 7, 2013, and coordinate with users of ICDF.

C. Specific Scope to be performed October 1, 2012 to September 30, 2015 (ICDF Complex Operations)
a. Current waste generation estimates by area are summarized below. Volumes are in cubic feet. These estimates were utilized to define the scope covered under this account.
i. Monitoring Well Sampling Water: FY 2013 = 2,406; FY 2014 = 2,406 gallons;
ii. Sodium-Bearing Waste tank residual rinse liquids: FY 2013 = 0; FY 2014 = 802 gallons.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Completion of the transport, receipt, and disposal of CERCLA soil and debris into the landfill.
B. Completion of the transport, receipt, placement, and grouting of 159 empty cargo containers from AMWTP (70 in FY 2014).
C. Completion of the receipt and disposal of CERCLA waste liquids into the evaporation pond.
D. Completion of ICDF Annual Performance Assessment and Composite Analysis Review Report and submittal to the LFRG prior to April 30 each year.

E. Completion of the ICDF Annual Determination and submittal to the LFRG prior to April 30 each year.
F. Documenting and maintaining individual waste characterization records in the Integrated Waste Tracking System (IWTS) for each container shipped to the ICDF.
G. Completion of revisions to procedures, as necessary, to incorporate changes to DOE O 435.1.
H. Maintaining landfill leachate transfer records and evaporation pond liquid addition records.
I. Establishing and conducting bi-weekly conference calls with DOE-ID, DEQ, and EPA.
J. Preparing and providing Annual Groundwater Detection Monitoring report to DOE-ID, DEQ and EPA.
K. Providing semi-annual and annual leachate sampling results and summary reports to DOE-ID, DEQ and EPA in accordance with Section 19 of the Federal Facility Agreement and Consent Order (FFA/CO).
L. Providing annual evaporation pond, sediment, leak detection and pump station sampling results, and summary reports to DOE-ID, DEQ, and EPA in accordance with Section 19 of the FFA/CO.
M. Providing five year evaporation pond, sediment, leak detection and pump station sampling results, and summary reports to DOE-ID, DEQ, and EPA in accordance with Section 19 of the FFA/CO.
N. Prepare and document an evaluation of the perimeter soil requirement and negotiate with the Agencies a reduced perimeter, if appropriate, so that additional deactivation, decontamination, and decommissioning debris can be added to accommodate the disposition of the NWCF facility disposition after 2015.
O. Prepare an operations schedule for ICDF showing expected periods of active use and standby status by January 7, 2013, and coordinate with users of ICDF.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Waste tracking information will be input into the Integrated Waste Tracking System (IWTS).
B. ICDF complex maintenance and operation will be self-performed by ICP from October 1, 2012, through September 30, 2014
C. All future remediation work will be ruled as "covered" under Davis-Bacon regulations as a part of the labor determinations.
D. The ICDF landfill will be in a reduced operations configuration and the majority of the CERCLA soil and debris generated by ICP will be shipped to a commercial disposal facility while liquid waste will continue to be disposed of at ICDF.
E. Closure activities will not occur during the contract period (FYs 2013 through 2014).
F. ICDF evaporation ponds have sufficient capacity to manage liquid inputs to the system and an alternative storage option will not be required.
G. Requirements will remain consistent with currently approved remedial action documentation.
H. Perched water trends will continue, and no perched water sampling will be required.

I. No changes will be made to the Department of Labor Building and Trades labor ruling that all remediation, transportation, disposition, backfill, and re-vegetation work will be "covered" work.
J. No construction-related claims or requests for equitable adjustment (REAs) from Ovard Construction Inc. for completion of the Staging, Storing, Sizing, and Treatment Facility (SSSTF) are included.
K. A revision to the ICDF composite analysis will not be required.
L. The ICDF will have existing capacity for all generated waste during the contract period (FYs 2013 through 2015).
M. The first 105 cargo containers from AMWTP will be shipped under a transport plan, which will require road closures due to undetermined interior contamination levels. ITG will prepare these cargos for shipment prior to November 30, 2014.
N. The final 54 cargo containers from AMWTP will either be decontaminated or fixative applied by ITG to allow shipment to the ICDF as service contaminated object material, and will be shipped fully compliant with the Department of Transportation regulations.
O. All 159 cargo containers from AMWTP will meet the WAC requirements for the ICDF landfill.

4. EXCLUSIONS:
No exclusions identified.

#: 22
Title: ARP VIII Construction

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This package provides scope, schedule and cost for the construction support of the ARP VIII waste exhumation facility in Pits 1 and 2 at the RWMC Subsurface Disposal Area (SDA). Also included in this account is project support for ARP VIII Construction.

SCOPE TO BE PERFORMED:
A. Completion of the Mechanical/Electrical component installation for the ARP VIII Waste Exhumation facility.
B. Construction completion system testing.
C. Systems Operability testing.
D. Project Support.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Completion of the Mechanical/Electrical component installation for the ARP VIII Waste Exhumation facility.
B. Construction completion system testing.
C. Systems Operability testing.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

None

4. EXCLUSIONS:
None

#: 23
Title: President's Office and PP&I

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The purpose of the ICP is to reduce or eliminate risks posed by contamination and wastes left at the INL from past missions, while protecting workers, the public, the environment, and future generations.

The ICP focuses on the Environmental Management accelerated cleanup mission, composed of five project divisions focused on a clean and close end state. ICP management oversees overall ICP project work scope and activities for that purpose.

SCOPE TO BE PERFORMED:
The President's Office is responsible for overall management of the ICP contract, including:
A. Delivery of the contract scope.
B. Management of project funds.
C. Management of the project’s labor force.
D. Communications with the DOE and internal and external stakeholders.
E. Compliance with the contract requirements, laws, and regulations.

Specific project scope includes:
A. Develop and implement project execution strategies to safely maximize project performance for the DOE and both internal and external stakeholders.
B. Provide internal audit services.
C. Provide project controls support, products, and services as defined by:
1. Contract Section C.13, "Management Project Controls."
2. Contract Section H.1, "Project Control Systems and Reporting Requirements."
3. Contract Section H.2, "Programmatic Risks and Uncertainties."
D. Provide attorneys who provide legal counsel and legal services on an as-needed basis, supervise legal services that need to be obtained from outside law firms, and ensure compliance with Contract Section H.7, "Legal Management Plan."
E. Provide the ICP staff support to the Employee Concerns Program (ECP), which provides all ICP employees, from individual worker through senior management, with an avenue to raise issues and concerns to the attention of management without fear of harassment, intimidation, retaliation, or discrimination. The ICP Open Door and Zero Tolerance for Retaliation Policy underlines the company’s expectation that employees will be provided a safety-conscious work environment where they feel free to raise issues, concerns, and questions. The ICP will not discharge, demote, reduce pay, coerce, restrain, threaten, or take other adverse personnel actions against any employee because he/she files a concern or exercises any rights as set forth in this ECP and/or under any state or federal law.

F. Provide materials control and accountability program for DOE Office of Environmental Management (DOE-EM) nuclear materials at the INL Site, the ICP Operations Security (OPSEC) program, and a security education and awareness program that educates employees of their responsibilities in protecting and safeguarding information and government equipment.

1. Develop and maintain a material control and accountability program for DOE-EM nuclear materials at the INL Site.
2. Maintain an OPSEC program that ensures adequate protection measures for classified and sensitive information.
3. Maintain a security education and awareness program that educates employees of their responsibilities in protecting and safeguarding information and government equipment.
4. Serve as company subject-matter expert (SME) for all security-related issues.
5. Develop and maintain security procedures and determine compliance with DOE orders and directives.
6. Serve as the point of contact for hiring mandatory security services from Battelle Energy Alliance, LLC (BEA).
7. Evaluate the level of service and provide feedback to BEA and ICP senior management.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
All ICP Contract deliverables, including, but not limited to:

A. ICP Monthly Report.
B. Fiscal Year Work Plan.
C. Project Risk Management Plan.
D. Annual Audit Plan approved by DOE.
E. Legal Management Plan approved by DOE.
F. Annual input to the Site Safeguards and Security Plan.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
Based on historical experience, the level of work scope will be similar to that in initial baseline planning (i.e., FY-11 was used as the basis), unless noted in below.

A. Communications: All communications work scope will be covered in this work package (previously in FY-11 this scope was funded by both the projects and the President's Office) except for the Project-requested poster boards, calendars, brochures for specific project needs, etc., which will be scoped in the individual projects.
B. BEA will continue to provide mandatory services as specified in ICP Contract DE-AC07-051D14516, Exhibit C.4.2.2 (Mandatory Site Services Provided by the INL Contractor - Support Services for Safeguards and Security).
C. ICP Contract DE-AC07-051D14516, Section 2.2, Support Services for Safeguards and Security, will not change through FY-15.
D. The INL contractor will coordinate the maintenance of a Site Safeguards and Security Plan, with input from the ICP contractor and other Site tenants. The INL contractor will coordinate safeguards and security drills and exercises with the ICP contractor and other site tenants. The INL contractor will provide for the issuance of photographic identification passes (badges) for all Site-affiliated personnel. The INL contractor will provide protective forces for all Site areas. The INL laboratory director will administer foreign visits and assignments.

E. Costs for repairs to the security systems and components located within the security buildings will be borne by the INL contractor via direct funding through Safeguards and Security Program. However, costs for repairs or upgrades to security systems and components that feed into the Site wide Central Alarm Station at INTEC (CPP-1674) shall be borne by the respective user organization (e.g., DOE-EM and DOE Office of Nuclear Energy [DOE-NE]). The INL contractor will provide, at no additional cost to the ICP contractor, inspection and testing services for all required safeguards and security-related systems and components at the INL Site. The level of security force/support provided to the ICP contractor is baselined to that level in place in FY-04. That level of service will be provided at no cost to the ICP contractor over the entire base period of the ICP contract. The ICP contractor shall assist in securing funding for any level of security service requested for DOE-EM operations that is above the FY-04 baseline.

4. EXCLUSIONS:
None.

#: 24
Title: Finance and Accounting

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Overall general management, planning, control, and direction of ICP ICP-2 Finance and Accounting departments and functions in compliance with the federal acquisition regulation (FAR); the Contractor Assurance System (CAS); DOE O 413.3B, "Program and Project Management for the Acquisition of Capital Assets"; the DOE Accounting Handbook; the Earned Value Management System (EVMS)

SCOPE TO BE PERFORMED:
A. Serve as the Board of Managers liaison.
B. Serve as the DOE CFO liaison.
C. Control funds.
D. Develop and manage the general and administrative (G&A) and fringe rate/pool.
E. Manage corporate allocations.
F. Invoice DOE and other customers.
G. Manage and control the corporate non-reimbursable account.
H. Manage corporate accounting activities.
I. Maintain franchise tax accruals and payments.
J. Provide financial and business management advice and support to department management.
K. Manage the Defined Benefits Pension Plan fund.
L. Provide fee management.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Annual and as-requested provisional indirect rates submission to DOE.
B. Submission of invoices to DOE.
C. Monthly and other financial reports.
D. Board Book.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. ICP will continue to purchase payroll, benefits, and property accounting services from Battelle Energy Alliance, LLC (BEA).
B. The work scope includes ICP-specific functions and activities not shared with BEA.

4. EXCLUSIONS:
A. Year-End Fringe and G&A Liquidation
B. Corporate Parent Overhead Adjustments
C. Special Allocations
D. Prior Year Adjustments

#: 25
Title: Human Resources

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides the following services in accordance with the prime contract with DOE for the ICP (ICP-II): overall Human Resources Support (HRS) planning, management, control, and direct services for ICP. Under the terms of ICP Contract the contractor is required to perform all work activities in a safe, compliant, and efficient manner.

SCOPE TO BE PERFORMED:
A. Design, implement, communicate, and administer HR programs. Programs include internal and external staffing; compensation, including merits, promotions, variable pay, and incentive pay; benefits, including pension, group insurance, and leaves of absence; employee relations; and Equal Opportunity and Affirmative Action programs. Types of costs include labor; subcontracts with attorneys, actuaries, and other vendors; supplies; travel; purchases, such as surveys, recruiting materials, subscriptions, computers and accessories, software, service awards, and postage.
B. Conduct workforce restructuring activities, including designing programs, developing communications and packets, calculating benefits, training managers/employees, providing outplacement services, conducting adverse impact analysis, reviewing documents, providing general consulting services (including legal and actuarial), developing benefit plan amendments, and conducting job fairs. Costs include labor, temporary help, outside professional consultants, printing, advertising, supplies, and cost of payments to employees who terminate employment under the terms of the programs.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Communications / Employee Handbook and Management Resource Manual revisions.
B. Plan documents and vendor contracts for HR programs.
C. PAC and POC representation (administration and operations of the Retirement and Investment plans).
D. Continuity of Operations team member (COOP)
E. Annual Benefits Enrollment.

F. Processing qualified status changes, address changes.
G. Maintaining next-of-kin data and making emergency next-of-kin notifications.
H. Annual Compensation Increase Plan / annual Merit Planning process.
I. Annual Performance Evaluation process.
J. Annual Incentive Compensation process.
K. Benefits administration / Leaves of Absence administration.
L. Benefits and compensation surveys.
M. Degree / Internship / Licenses & Certification administration
N. Workforce restructuring activities.
O. New-hire orientation.
P. Employment activities, including hiring, terminations and corporate transfers.
Q. Job fairs (if applicable).
R. Employee relations investigations / EEO investigations.
S. ADA Accommodations
T. Equal Opportunity Programs / Affirmative Action Plan and programs.
U. Employee Appeal / Complaint resolution.
V. Human Resources data requests / monthly reporting / maintain company org charts.
W. HR program cost analysis.
X. HR self-assessments.
Y. DOE reports (special requests and iBenefits reporting).
Z. Outplacement Center (if applicable).
AA. Payments to program participants.
BB. Plan document amendments.
CC. Service Contract Act reporting (weekly, quarterly, annually)
DD. DOL unemployment requests

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Population numbers and demographics (relative to age, salary, and service) will not change materially for the remainder of the ICP-II contract.
B. Workforce restructuring will be captured in a separate WBS

4. EXCLUSIONS:
Workforce restructuring

#: 26
Title: Information Management Services

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This package provides the services described below in accordance with the prime contract with DOE for the ICP (ICP-2). Under the terms of ICP Contract the contractor is required to perform all work activities in a safe, compliant, and efficient manner.

A. Information Management Services -
a. Leading, developing, implementing, and continuously improving document and records programs for the ICP including: Document Management, Records Management, Correspondence

Control, Vendor Data, Freedom of Information Act (FOIA), Privacy Act (PA), and Scientific and Technical information (STI) external document release functions.

b. Employees working for the following IMS programs: document and records programs, mail services, printing, copier, graphics, and the space planning.

B. Facility Services and Maintenance -

a. Maintenance, upkeep, and utilities of Technical Support Buildings A and B (TSA/TSB), Lindsay Boulevard Complex (LBC), and ICP space at the IORC

b. Printing, convenience copiers and graphics materials and equipment.

C. Electronic Document Management System (EDMS) - Purchase of Electronic Document Management System (EDMS) services from BEA to support document and records processing and delivery.

D. Records Storage Facility - Records Storage Facility National Archives and Records Administration (NARA) - approved records storage facility for ICP, Battelle Energy Alliance, LLC (BEA), the Advanced Mixed Waste Treatment Project (AMWTP), Department of Energy (DOE) _ Idaho, and other Site subcontractors.

E. Technical Library Services _ Purchase of technical library subscriptions.

F. IFF Building Leases _ Lease cost for TSA/TSB and the LBC.

G. TSA/TSB Property Taxes _ Property taxes for TSA/TSB.

SCOPE TO BE PERFORMED:

A. Develop and manage document and records programs that meet ICP business needs in accordance with applicable laws and governing requirements. Leadership and processes will be provided to ICP employees in the various aspects of the document management, correspondence control, vendor data, records management, FOIA and PA requests, and STI processing (to include review and export control).

B. Provide leadership for EDMS to implement changes and provide document and records services to all ICP employees. Ensure EDMS is provided to ICP from BEA. EDMS staff will provide ongoing management of the system to include (1) hardware supporting input and delivery of records and document information and (2) training and hot-line services, and modification of the system to meet ICP needs.

C. Provide ICP mail services including, mail collection and distribution and town and site overnight correspondence delivery (Federal Express).

D. Provide reprographic and graphics services for all ICP organizations and DOE.

E. Manage the Site photocopier system for ICP.

F. Manage and provide space planning services for ICP.

G. Ensure and perform the proper receipt, storage, management, retrieval, and destructions of INL Site records in accordance with applicable laws and governing requirements.

H. Maintenance and upkeep of TSA, TSB, LBC, and IORC space including:

a. HVAC

b. Electrical Work

c. Plumbing

d. Snow Removal

e. Utilities

f. Leases

g. Property Taxes

I. Technical Library subscriptions.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Document Management and Records Management processes and procedures
B. Mail Management reports
C. Printing and publishing activities
D. Copiers at necessary ICP locations
E. An electronic document and records management system that meets established functional requirements for ICP
F. Master move plan (space planning) and implementation of the plan
G. In-town facilities

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. Minimal support to BEA will be required in the areas of document control and records management.
B. The current 45-45-10 negotiated split in records storage cost between ICP, BEA, and DOE will continue through FY-14.
C. BEA will continue to provide EDMS, as necessary, based on ICP business needs.
D. ICP will not lease or operate any additional in-town facilities unless additional scope is identified.

4. EXCLUSIONS:

The costs of staff and services direct-charged to the projects.

#: 27
Title: Information Technology

1. GENERAL WORK DESCRIPTION: (provide general work scope description)

This account provides overall Information Technology (IT) planning, management, control, and direction for the ICP.

SCOPE TO BE PERFORMED:

The IT organization at the ICP is responsible for providing a cost-effective, secure, and reliable computing environment in support of the ICP mission as follows:

A. Applications: Provide development and maintenance support for enterprise business applications, ICP operations, and other environmental and engineering projects and processes.
B. Customer Relations Management: Provide interface between IT and non-IT organizations including planning, consulting, and coordination of IT services in support of the ICP mission.
C. Customer Support: Provide support services for all desktop management needs including the IT Help Desk and field services in support of the ICP mission.
D. Cyber Security: Provide effective cyber-security management to ensure compliance with DOE directed guidelines and best practices at the ICP, where applicable.
E. Data Storage Management: Provide management of ICP data requirements in support of ICP work execution and data stewardship.

F. Infrastructure: Provide a reliable computing infrastructure environment including multiple networks, servers, desktop supporting applications, databases, and printing functions for the ICP except those provided, through the ICP/BEA blanket manager agreement, by the INL contractor.
G. Project Management: Provide a project management life-cycle methodology to successfully implement IT projects at the ICP.
H. Telecommunications: Provide telecommunications services including cellular phones, pagers, radios, and traditional and Voice over Internet Protocol (IP) land-line services for the ICP except those provided, through the ICP/BEA blanket manager agreement, by the INL contractor.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Servers and system management.
B. System administration and management.
C. Data storage and backup.
D. Network infrastructure.
E. Cyber security.
F. Desktop management.
G. IT Help desk.
H. Printer management.
I. Telecommunications and cellular services.
J. IT MCPs and associated procedures.
K. Software development and maintenance.
L. Software applications.
M. Database management.
N. Project management.
O. Customer-relationship management.
P. IT self-assessments.
Q. Trained personnel.
R. IT architecture.
S. Budgets and planning.
T. Personnel performance reviews.
U. Status reports.
V. IT performance metrics.
W. Service agreements with BEA.
X. Web services.
Y. Data center.
Z. Job supervisor/foreman (JS/F) staffing.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. IT will use both in-house and staff augmented/subcontracted resources.

4. EXCLUSIONS:
A. Non-enterprise (i.e., project specific) hardware and software including, but not limited to:
B. New Computers (not coordinated by IT-lead desktop computer refresh)

C. Printers
D. Servers
E. Project specific software, such as Engineering software, etc.
F. Cellular devices and accessories
G. Matrixed IT labor managed by ICP projects
H. Work-For-Others

#: 28
Title: Subcontracts & Procurement and Fleet

GENERAL WORK DESCRIPTION: (provide general work scope description)
Administer subcontract procurements and the prime contract with DOE. Perform labor relation functions.

SCOPE TO BE PERFORMED:
Administer subcontract procurements and the prime contract with DOE. Perform labor relation functions.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Contracts, procurement reports, union negotiation positions, Salary increase recommendations, benefit information for employees

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
Work scope will maintain the same level of contracts and have the same amount of effort on Labor issues as in FY 13/14.

4. EXCLUSIONS:
None

#: 29
Title: ESH&Q Program Management

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
The Environmental, Safety, Health, and Quality (ESH&Q) Program provides management, supervision, administration, and oversight of ESH&Q programs for the ICP, addressing the programmatic needs of the ICP ESH&Q programs. The ESH&Q Program provides centralized program guidance and oversight for proper characterization and mitigation of hazards and implementation of requirements and procedures through ICP operations.

The following activities are included:

ESH&Q Program Management
A. Provide management, supervision, administration, and oversight of ESH&Q programs for the ICP.

B. Provide a Union Safety Representative including to support the Paper, Allied Industrial, Chemical and Energy Workers (PACE) Union to interface with the Union crafts.

Project Evaluation Board (PEB)

A. Promote safety and operational excellence through independent assessments. As an integral part of the ICP assessment program, the PEB is able to accomplish this mission by focusing independent assessment on key elements. The PEB performs ICP independent assessments as required by 10 CFR 830.120, "Quality Assurance Requirements Scope."

SCOPE TO BE PERFORMED:

A. Provide management support for the ESH&Q Program, addressing the programmatic needs of individual ESH&Q programs. The function of the ESH&Q Program is to provide centralized program guidance and oversight for proper characterization and mitigation of hazards and implementation of requirements and procedures throughout ICP operations. Program guidance includes program administration, policy review, policy implementation, technical interpretation by subject-matter experts (SMEs), independent and management assessments, maintenance of resources for customers, interface with ICP work organizations, DOE ID counterparts and customers, and state and federal regulatory authorities.

B. Voluntary Protection Program (VPP)/Human Performance

a) Human performance (HU) management is designed to indoctrinate and provide managers and staff personnel with an understanding of HU management principles and tools, including error precursors, for reducing events by proactively preventing problems triggered by human error.

b) The VPP Star Program is the core of DOE VPP. This program is aimed at truly outstanding protectors of employee safety and health. A participant in the Star Program must be a model for other members of its industry and other DOE contractors and subcontractors. Because VPP is a living, continuous improvement program, participants cannot allow their efforts to stagnate.

C. Perform the ICP PEB mission of promoting safety and operational excellence through the conduct of independent assessments. As an integral part of the ICP assessment program, the PEB is able to accomplish this mission by focusing independent assessments on key elements that make up the foundation of the PEB review process.

a) PEB assessments shall include projects adherence to contractual requirements.

b) PEB independent assessments include a review of the approved and implemented ISMS to identify the adequacy of the five safety management core functions:

i. Defining the scope of work.

ii. Identifying the hazards.

iii. Mitigating the hazards.

iv. Performing work within the controls.

v. Lessons learned, feedback, and continuous improvement.

c) The PEB reviews project performance at accomplishing expectations in conducting the project and achieving project goals. Cost effectiveness, efficiencies, on schedule completion, and budget are key elements of this area of review.

d) Perform CWl independent assessments as required by 10 CFR 830.120.

e) Review and promote discipline in project execution.
f) Provide ICP management with accurate and consistent information to measure the effectiveness of both mission excellence and adherence to ICP contract requirements.
g) Obtain PEB information for the conduct of project reviews through performance based independent assessments of ICP, projects, direct support activities, support departments, facilities, and site programs.
h) Perform topic-specific independent assessments as identified by ICP management.
i) Perform readiness reviews in accordance with DOE O 425.1D, "Verification of Readiness to Start Up or Restart Nuclear Facilities."

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. ESH&Q Program Management
a) Setting mission, vision, and strategy for ESH&Q for the ICP.
b) Ensuring ESH&Q organizational alignment with ICP mission, vision, and strategy.

B. PEB
a) Independent assessment reports.
b) Independent project evaluation reports.
c) Maintaining and updating procedures for independent assessments.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Internal
a) Work scope remains as planned and projects provide funding for ESH&Q resources utilized by the project.
b) The PEB is the responsible organization for conducting ICP independent assessments as required by 10 CFR 830.120.
c) The PEB will be supplemented by ICP organizations to support independent project assessments. Funding for this support will be provided by the organization providing the added support personnel.

B. External
a) The level of effort required to support regulatory interfaces remains as planned.

4. EXCLUSIONS:
No Exclusions

#: 30
Title: Nuclear Safety, Training, and Performance Assurance

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Nuclear Safety performs cross-cutting management, supervision, administration, and support of the Safety Analysis and Criticality Safety work groups in compliance with 10 CFR 830, "Nuclear Safety Management."

Performance Assurance provides management, supervision, administration, and oversight of the following.

A. The Integrated Safety Management (ISM) program coordinates and facilitates activities and initiatives determined by management to be needed as part of a company-level integrated effort, ensuring that high-quality ISM and Contractor Assurance System (CAS) programs are maintained. Safety performance measures, objectives, and commitments are developed each year and submitted to local Field Office to maintain and further improve the ISM culture and processes. The basis for these metrics is overall ISMS and CAS performance for the previous year as determined by periodic assessment and review activities. Periodic reports are published, accurately reflecting company ISM performance including performance measurement reports and evaluation reports. Management, subject matter experts, and other employees are briefed monthly on varied aspects of ICP performance during ESRB meetings, and annually on the overall health of the ISMS and CAS programs to be cognizant of the overall health of the ISM program.

B. Maintain a program to identify, report, and track the correction of Price Anderson Amendments Act (PAAA) non-compliances consistent with guidance provided by the DOE Office of Enforcement.

C. Through the Safety Assessment Center (SAC), provide a centralized process for timely management involvement in routine reporting, reviewing, and assigning follow-up on safety events; support safety performance monitoring; and provide a resource for periodic safety performance summary reporting. SAC data are collected for events and conditions that have the potential for adversely affecting safe operations now and in the future, as well as good practices. The data collected are analyzed for adverse and/or positive trends.

D. Through PA, support ICP end-state vision and restoration requirements. Specifically, PA assists in improving the effectiveness, efficiency, and adequacy of ICP_s ESH&Q programs through periodic, independent evaluation and analysis, reports on status, and recommendations for improvement. Results are documented and communicated to responsible organizational management, as well as ICP senior management, as appropriate. Some program areas within Performance Assurance that provide this capability include Issues Management, Corrective Action oversight, Operating Experience, Integrated Assessment planning and tracking, Causal Analysis, ORPS reporting, and others.

E. Provide requirements-management services and processes to both the INL and the ICP. Specific assistance is provided to Contracts and the Functional Support Areas, ensuring proper annotation of contract requirement documents and their respective rolldown into ICP programs

F. Provide resources for Site-wide training that supports non-area or facility-specific training for ICP programs and/or projects. Programs/projects specifically excluded are noted in Section 4 of this work package. Application of the Systematic Approach to Training for these programs and/or projects establishes and maintains a qualified/certified workforce in accordance with the specified driver requirements.

SCOPE TO BE PERFORMED:

A. Nuclear Safety

1. Provide management, supervision, administration, and support of the Safety Analysis and Criticality Safety programs; provide Nuclear Safety subject-matter expert (SME) guidance; provide reviewer guidance; provide updated and compliant nuclear safety program procedures in

ICP companywide manual 10B, "Nuclear Safety," and 10C, "Criticality Safety;" provide ICP interfaces on nuclear safety issues; provide adequately trained and qualified nuclear safety staff to support project needs; and provide for interfacing with DOE-ID and the Energy Facility Contractors Group (EFCOG).

2. Provide for annual updates of ICP SAR-100, "ICP Standardized Safety Analysis Report (SAR)_ Chapters, and TSR-100, "ICP Standardized Technical Safety Requirements (TSR)_ document.

B. Performance Assurance

1. ISM principles and functions will be used to anticipate, identify, evaluate and control work place hazards and risks. An effective and compliant program that assesses on an initial basis (performed in 2005/6) and periodically thereafter, and eliminates or mitigates exposure to hazards to the employee, public, and environment, will be implemented and maintained. The VPP safety culture to enhance employee involvement in the ICP Safety Process will be integral to the process. This includes addressing the programmatic needs of the ICP Environment, Safety, Health, and Quality Assurance (ESH&Q) Directorate program. The function of the ESH&Q directorate is to provide centralized oversight for proper characterization and mitigation of hazards and implementation of requirements and procedures throughout the ICP operations. This oversight includes program administration, policy review, policy implementation, technical interpretation by SMEs, independent and management assessments, maintenance of resources for customers, interface with ICP work organizations and interface with DOE-ID counterparts and customers.

2. Maintain MCP-2547, "Identification, Reporting and Resolution of Price-Anderson and Worker Safety and Health Noncompliances." PA functions as the company SME for PAAA issues. PA also trains and provides oversight and assistance to personnel responsible to screen ICP issues to identify PAAA noncompliances. In addition, PA assists ICP management in reporting those noncompliances that meet the Noncompliance Tracking System (NTS) reporting threshold, and also in identifying the causes of reportable noncompliances and in developing and confirming completion of corrective actions to address these causes. PA acts as a point of contact (POC) between the DOE-ID PAAA coordinator and ICP for PAAA issues.

3. Maintain the SAC, which includes:

a. Collecting data for performance monitoring.

b. Screening data for items to be elevated to senior management.

c. Coordinating a daily conference call with senior management, project management, and safety professionals to discuss events and to provide follow-up and disposition of issues.

d. Categorizing safety events with consistent use of cause codes and level-of-significance ratings.

e. Providing and maintaining a centralized ESH&Q database.

f. Routinely providing reports.

g. Providing management with trend analyses.

h. Creation and maintenance of the SAC web service and database.

4. Maintain MCP-598, "Corrective Action System" for issues management and corrective action, MCP-192, _Processing Lessons Learned and Operating Experience Information_, MCPs-8, -1221, 9172 for the scheduling and performance of company assessments, STD-1113, _Cause Analysis and Corrective Action Development_ for cause analysis performance and CAP development, MCP-190, _Event Investigation and Occurrence Reporting_ for ORPS reporting,

and others. PA functions as the company SME for PAAA issues. PA also trains and provides oversight and assistance to personnel responsible to screen ICP issues, track and manage assessments and their schedules, input lessons learned and JITs, input, assign and monitor ICARE information, and perform cause analysis reviews.PA maintains the databases in working order for the Integrated Assessment System, Issues Management, and Lessons Learned programs. PA maintains company level documents related to its area of responsibility. Periodic assessments and company evaluations will be conducted regarding company performance to these systems and their processes. PA assists organizations with implementation of company feedback and improvement processes. PA also ensures that the company causal analysis program is properly implemented and provides resources for cause analyses efforts across the company. PA acts as a point of contact (POC) between the DOE-ID Performance Assurance coordinator and ICP for these types of issues.

5. Perform requirements review, comment and applicability process coordination, and tracking.

6. Maintain MCP-2447, _Requirements Management_. Perform requirements management processes, procedures, SME and POC training, tracking automated systems (Record of Analysis [ROA] and Requirements Rolldown System [RRS]) and technical support.

7. Perform ISMS and CAS maintenance activities.

8. Perform general management activities.

C. ICP Training

1. Program Management

a. Provide program management and guidance for all ICP training programs and organizations.

b. Provide oversight and direction to and conduct performance evaluations for training department personnel who support ICP programs/projects.

c. Establish and maintain instructor competence commensurate with responsibilities by performing required tasks to maintain qualification and by providing professional development training.

d. Verify that training activities comply with company procedures and requirements.

e. Review and approve training design plans, instructional materials, written exams, and walkthroughs.

f. Implement self-assessment and corrective action activities for ICP training-related activities.

g. Coordinate Issue Communication and Resolution Environment (ICARE) and corrective actions for ICP training-related activities.

h. Implement training associated with ICARE corrective actions, lessons learned, and audit findings.

i. Act as the POC for training-related corrective actions and establish and maintain compliance with DOE orders, procedures, and regulations.

j. Administer the budgeting process and provide required status reports.

k. Chair and provide administration support for the Site-wide Training Review, and Implementation Board (STRIB), Training Management Council (TMC), and the joint ICP/Battelle Energy Alliance, LLC (BEA) Training Change Control Board.

l. Manage and track vendor training for ICP.

2. Administrative Support

a. Provide coordination of records management in accordance with company procedures and regulations. This work also includes filing information, creating folders, purging information, indexing boxes, and transferring to records center.

b. Provide services performed by training coordinators and POCs for ICP personnel.

c. Update individual training plans (ITPs) and administrative codes. Grant qualifications and/or certifications, data input, and tracking also are performed.

d. Create classes in the Training Records and Information Network (TRAIN), enter and print rosters, complete monthly scanning of individual attendance for safety meetings, schedule personnel, and respond to requests for training information.

e. Administer the Computer Based Training (CBT) room. Coordinate CBT activities, schedule the CBT room, and verify that equipment is updated and working.

f. Coordinate ICP tailgate training, assign training (TG) numbers, set up classes in TRAIN, track completion, and file documentation.

g. Create and maintain facility job codes.

h. Provide customer support in answering questions. Required training and qualifications are tracked.

i. Coordinate all activities of ICP Training administrators.

j. Support the Emergency Command Center (ECC) and company Employee Safety Teams.

3. Training Support

a. Develop and deliver training design plans, lesson plans, qualification standards, written exams, walkthroughs, and other training material.

b. Maintain training program instructional materials (e.g., lesson plans, examinations, and handouts).

c. Develop, deliver, administer, and grade examinations.

d. Participate in walkthroughs.

e. Meet with customers to evaluate the training program and implement the necessary changes.

f. Monitor qualification/certification and requalification/recertification schedules.

g. Determine training needs and requirements by performing training needs analysis and training design.

h. Implement and monitor lessons learned into the training programs.

i. Implement corrective actions from internal and external audits.

j. Perform or provide SME support for self-assessments, readiness assessments, activity based reviews, and operational readiness reviews.

k. Perform prescribed activities to maintain instructor qualification.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Nuclear Safety

1. Annual update of SAR-100/TSR-100.
2. Review and revision, if needed, of Nuclear Safety and Criticality Safety Program procedures in Manual 10B and Manual 10C.
3. Safety analyst and criticality safety engineer qualification and requalification every 2 years.

4. Training to support ICP qualification programs (e.g. USQ, System Engineer, Nuclear Facility Manager, Facility Manager, Criticality Safety Officer, Fissile Material Handler, Fissile Material Cleanup, and Technical Staff).
5. Semi-annual Criticality Safety Program presentations to the ESRB.
6. Annual criticality safety program assessments.
7. Daily management, supervision, administration, and support to ICP projects.

B. Performance Assurance
1. Maintenance of PDD-1004, "Integrated Safety Management System."
2. Maintenance of PDD-159, _ICP Contractor Assurance System_
3. NTS reports.
4. Documentation supporting closure of NTS corrective actions.
5. A daily report listing from the SAC, listing safety events and conditions denoting, at a minimum, the level of concern, location, event date, event or condition description, and ISMS designation.
6. Monthly, quarterly, and annual reports documenting ISMS performance, project performance, and environmental, safety, health, and quality assurance (ESH&QA) performance.
7. Web-accessible SAC data interface.
8. Quarterly analysis of the ESH&QA Performance Report.
9. Cause analysis determination reports.
10. Special evaluation reports assigned by management.
11. Monthly Performance Measurement Report.
12. Other independent analysis reports.
13. Assessment reports for the sites and functional areas assessed.
14. Maintaining in working order the Integrated Assessment System, ICARE, SAC, Lessons Learned, and RRS databases.
15. Coordination and documentation of the company-level requirements review, comment, and applicability process including coordination and maintenance of List B contract modifications.
16. Maintenance and documentation of company-level requirements implementation and rolldown.
17. Effective and compliant requirements-management processes and procedures.
18. SME and POC training.
19. Maintenance of automated tracking systems (ROA and RRS) and technical support.

C. ICP Training
1. Training programs that meet the requirements of DOE orders and company requirements.
2. New and updated training materials (e.g., design plans, lesson plans, qualification checklists, student handouts, and exams) that support course delivery.
3. Self-assessment reports.
4. Training schedules.
5. Training status and tracking reports.
6. Updated individual training plans (e.g., job codes, administration codes, and development of special reports).
7. Employee training records.
8. Qualified training instructors and training staff in accordance with DOE and company requirements.

9. Corrected deficiencies (e.g., ICAREs) based on internal and external audits.
10. Responses to customer requests for training information.
11. Employees scheduled into needed training.
12. Performance indicator reports.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. Nuclear Safety

1. The Safety Analysis and Criticality Safety programs will be maintained.
2. Interaction with DOE-ID and EFCOG will be maintained.
3. Updates to SAR/TSR-100 will be maintained.
4. Semi-annual presentations to the ESRB will be maintained.

B. Performance Assurance

1. This package covers the costs of employees supporting the company-level feedback and improvement processes and systems. Each organization outside of PA will absorb the costs of participation in these processes for its organization.
2. This package covers the costs of employees supporting the company-level requirements management and document review processes and tools. Each organization will absorb costs of participation in these processes for its organization.

4. EXCLUSIONS:

A. Performance Assurance

1. Costs of the regulatory review process provided by INL and ICP Environmental Compliance organization staff.
2. Programming support or POC training in support of area, facility, or functional-specific adaptations of RRS.
3. New scope including processes, procedures, or services requested by ICP or INL beyond what is stated in the service agreement.

B. ICP Training

1. This package does not include implementation of qualification/certification specific programs for the following training programs and/or projects:
   a. ICP Site-wide ESH&Q.
   b. Radioactive Waste Management Complex (RWMC)
   c. INTEC Technical Support Services.
   d. INTEC Nuclear Materials Disposition (NMD).
   e. INTEC Liquid Waste Facility Closure (LWFC).
   f. INTEC Tenant and Support Landlords.
   g. Nuclear Regulatory Commission (e.g., Fort St. Vrain [FSV], the Independent Spent Fuel Storage Installation (ISFSI) facility, and Three Mile Island Unit 2 (TMI-2) ISFSI programs).
   h. Facility-specific deactivation and demolition (D&D).
2. Tuition, transportation, and time in training for any students.

#: 31
Title: Industrial Safety

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Industrial Safety serves the company subject-matter expert for Fire, Safety, Industrial Hygiene (IH), and Injury reporting systems. Industrial Safety plans, organizes, and directs management of the safety and health programs for ICP including interpretations, field evaluations, requirements management, and injury prevention, management and tracking. It is also responsible for the Industrial Hygiene Data support, and managing the monetary grant with the Idaho State Police.

This program is responsible for the procurement of the Fire Department services and the Occupational Medicine Program from Battelle Energy Alliance, LLC (BEA).

SCOPE TO BE PERFORMED:

A. Provide adequate fire-response support from BEA for ICP facilities at INTEC, RWMC, and the Materials and Fuels Complex (MFC). Day-to-day tactical and logistics activities will be performed to ensure that work covered under the Fire Department service agreement continues safely and uninterrupted. Work will involve BEA counterparts to resolve as many issues as possible and ensure a positive fire-response posture for ICP.

B. BEA provides Occupational Medicine Program (OMP) services to ICP. These services are provided on-Site at various locations to employees needing workplace surveillances, fit for duty reviews, drug testing, injury/illness reviews, accident investigations, employee assistance programs, health promotion/prevention services, emergency medicine, back-shift nursing support, and worker's compensation claims management. (This is a general list. Other services as currently provided are to be maintained.)

C. Provide industrial safety activities, as follows:

1. Maintain Fire Protection, Industrial Safety, and Industrial Hygiene program.
2. Provide program needs to implement and maintain a workplace hazard monitoring, evaluation, and control program that assesses, corrects or mitigates, and documents worker exposure to physical hazards.
3. Maintain a program that provides activity-specific safety and health controls within operations.
4. Support Industrial Safety committees, such as Electrical Safety, Hoisting and Rigging, and Explosive Safety, Safe Driving, and Health/Wellness.
5. Maintain and implement an IH program to recognize, evaluate, and control occupational exposures to chemical, biological, nonionizing radiation, and noise hazards.
6. Support projects in providing job-specific recommendations for correct controls and mitigation with respect to the above hazards.
7. Oversee IH sampling and provide ICP IH sampling protocol, including proper documentation of results.
8. Provide oversight and programmatic needs to identify and recommend needed medical surveillance and/or biological monitoring.
9. Conduct and/or assist with fact finding, investigations, occurrence reports, or other information gathering and reporting with respect to hazards and controls.
10. Oversee documents, procedures, and protocols regarding the Fire, Industrial Safety, and IH program and subsequent documentation of exposure minimization and prevention.

11. Maintain an effective Fire Protection program that provides a facility-hazard monitoring, evaluation, and control program documenting facility compliance with highly protected risk criteria. The program shall provide predictive, preventive, corrective, and system engineering maintenance for all ICP fire and life-safety equipment. It shall provide routine and/or nonroutine inspections/testing services for ICP fire protection systems and equipment ensure compliance with company, National Fire Protection Association (NFPA), Occupational Safety and Health Administration (OSHA), and DOE requirements. The Fire Marshal duties include reviewing fire safety analyses (FSAs), fire hazard analyses (FHAs), and assessments; code and standard interpretations; providing fire reports; and remaining as the DOE authority having jurisdiction.
12. Injury/Illness Record Keeping: Maintain a program that reports and investigates accidents, injuries, and illnesses, and analyze related data for trends and lessons learned. Achieving continuous improvement will be supported by identifying and implementing actions to correct accident and incident root causes. Injury and illness record-keeping activities provide for tracking and trending injuries, illnesses, first-aid cases, incident rates, severity rates, entering data into the Computerized Accident/Incident Reporting System (CAIRS), and publishing reports of these statistics, as required.
13. Support the Integrated Safety Management System and Voluntary Protection Program.
14. Provide company interpretations for codes and rules applicable to Industrial Safety, Industrial Hygiene, and Fire Safety.
15. Maintain _Authority Having Jurisdiction_ capability, decisions, and documentation with respect to Fire Protection Program issues and interpretations.
16. Liaise with DOE Idaho regarding Fire, Industrial Safety, and Industrial Hygiene related actions, interpretations, and issues.
17. Conduct and document program and implementations audits with respect to the Fire Protection, Industrial Safety, and Industrial Hygiene programs.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

A. Industrial Programs

1. Quarterly assessment schedule.
2. Quarterly procedure rewrite/revision schedule.
3. Monthly Safety Report
4. Weekly Safety Report.

B. Provide adequate ICP fire response at ICP facilities.

C. Occupational Medicine Program

1. Notification to managers of employee restrictions.
2. Injury/illness reports.
3. Access to OMP reports by managers.
4. Assistance in determining work-related injury/illness in accident investigations for the OSHA 300 logs.
5. Reports of surveillances as required by regulations, and Emergency Action Plan (EAP) notifications.
6. Health-promotion training/seminars.
7. Drug testing.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Industrial Programs
1. Support for IH databases will continue from BEA.
2. Support for Industrial Safety committees will continue.
3. Fire, Safety and IH will maintain qualified leads to manage the programs in accordance with 10 CFR 851, "Worker Safety and Health Program."

B. ICP will continue to purchase Fire Department services from BEA.

C. The OMP service will be maintained at the current level being provided to ICP by BEA.

4. EXCLUSIONS:
A. Scope for wild land fire support, which is found in Emergency Management
B. Scope for Emergency Management Program administration and the service agreement.

#: 32
Title: Quality Site Operations

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This package includes maintenance of the ICP Quality Assurance (QA) Program that complies with 10 CFR 830 Subpart B, "Safety Basis Requirements"; DOE O 414.1C, "Quality Assurance"; Quality Assurance Requirements and Description (QARD) (DOE/RW-0333P); and ASME NQA-1, "Quality Assurance Requirements for Nuclear Facility Applications"; and related contract requirements. The ICP QA Program consists of the following: ICP Manual 13, Quality Assurance Program; ICP implementing procedures (LST-200, "Quality Assurance Program Requirements Document Implementing Document Reference List"); the QA management team; training of staff; and travel associated with meeting with the Energy Facility Contractors Group [EFCOG], DOE Consolidated Audit Program [DOECAP], and DOE Environmental Management (EM) QA corporate board members, regulators, and customers.

SCOPE TO BE PERFORMED:
A. Improve the ICP QA program.
B. Manage and administer key elements of the ICP QA Program. Elements include:
1. QA requirements management.
2. Training and qualifications programs.
3. Audit/assessment/surveillance programs.
4. Performance trends and reporting.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
The major deliverable is a fully compliant QA Program including Manual 13, implementing procedures, program audits, customer interface, and a trained/qualified staff, as required, to support ICP projects.
A. Periodic trending reports.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. ICP Projects will pay for all project-specific training for QA staff.

B. Nondestructive examination (NDE) qualification and other training required to maintain a qualified staff to support ICP will be paid for by this work package.

C. Manual 13 will require an annual review, update, and approval by DOE-ID to meet contractual requirements.

D. NDE requalifications will require 6 hours/per qualification based on the present NDE Level III.

E. Vehicles for QA management and staff supporting technical support services are paid for by this work package.

F. All other communications device costs are covered by the projects.

G. QA Program-related required reading time is covered by this work package.

H. Travel associated with maintenance of qualifications, attendance at DOECAP annual, EFCOG semiannual, DOE EM QA corporate board (semiannual assumed), and other DOE QA national conferences/meetings are covered by this work package. Seven trips per year are anticipated.

I. Manual 13 and its implementing procedures will require periodic review and update to meet contractual commitments.

J. Development and maintenance costs associated with computerized database needs are paid for by this work package (databases support achievement of regulatory requirements).

K. Required training and qualification coursework development is paid for through this work package (coordination with the ICP Training department may require funding).

L. Vehicles, computers, and ancillary training equipment for QA management and staff supporting quality systems are paid for by this work package.

M. Calibration of QA-owned measuring and test equipment is paid for by this work package.

4. EXCLUSIONS:

The cost of day-to-day QA support to the projects.

#: 33

Title: Environmental Programs

1. GENERAL WORK DESCRIPTION: (provide general work scope description)

Environmental Compliance provides environmental support to the ICP to ensure compliance with environmental and sustainability requirements including development and implementation of solutions for ICP cross-cutting regulatory issues and strategic regulatory input for ICP planning as well as RCRA-permitting activities.

Sample and Analysis Management (SAM) provides for sample management core services.

Chemical Services (ICMS), which provides services to chemical users at the ICP that meet contractual requirements for life-cycle tracking and control of chemicals. Tasks include chemical approval, acquisition, receipt, distribution, storage and use, as well as maintenance of the chemical tracking database.

SCOPE TO BE PERFORMED:

A. Site Environmental Compliance

a. Provide regulatory cross-cutting support to ICP projects and senior management and obtain approval on regulatory-planning concepts and opportunities.

B. Develop and implement solutions for resolving ICP cross-cutting regulatory issues.

a. Develop and implement solutions to meet sustainability implementation and reporting requirements.

b. Provide strategic regulatory input to ICP planning.

c. Develop and maintain the ICP Environmental Management System, including environmental requirements rolldown and procedure maintenance.

d. Maintain the ICP Spill Notification Team.

e. Coordinate regulatory agency inspections.

f. Complete required National Environmental Protection Act (NEPA) documentation in support of ICP projects.

g. Provide monthly reports from the milestone database, as well as system updates, to ensure current regulatory information from each of the ICP projects.

h. Review, provide input, and implement RCRA-permitting requirements for ICP managed treatment and storage facilities, including development of Part A permit modifications/interim status change requests, support of public participation efforts as a prerequisite to the Part B permit application process, preparation of permit requirement matrices, database management of operational and administrative requirements in conjunction with issued Part B permits, and update of Volume 3 (INTEC portion) of the INL Site permit.

i. Response to notices of deficiency, and modifications to and maintenance of ICP RCRA permits and general Site-wide sections.

j. Review RCRA permit modification requests (PMRs) and RCRA closure actions, and perform associated record keeping.

k. Coordinate company-wide Clean Air Act compliance and permitting.

l. Implementation of the ICP-related actions for the INL Cultural Resource Management Plan.

m. Provide environmental implementation support during renegotiation of existing agreements and consent orders, developing future agreements, or negotiation of consent orders.

n. Provide oversight of and coordinate ICP RCRA closure activities.

o. Provide oversight of and coordinate ICP lead management program compliance.

p. Provide maintenance of the INL Site Treatment Plan including waste volume tracking, and remapping necessitated by treatment/storage/disposal facility status, etc.

q. Conduct compliance-assurance activities including Spill Notification Team participation, review of environmental correspondence from regulators, regulatory inspections, self assessment, and providing technical expertise to ICP projects.

r. System administration of the ICP Milestone Tracking System and development of formats for various reports generated from the system.

s. ICP NEPA compliance officer functions.

t. International Organization for Standardization (ISO) 14001, "Environmental Management Systems," registration.

u. Provide oversight and coordination for implementation of sustainability requirements.

v. Provide subject matter expertise and permit-authorized individuals for Migratory Bird Treaty Act compliance.
w. ICP environmental noncompliance self-disclosure database.

C. SAM
a. Provide management, administrative, and procurement support, including laboratory contract support, departmental interfaces, daily operations, and staff training.
b. Provide radiochemistry, organic, and inorganic technical support, including preparation of the task order statements of work (TOSs) for analytical services, laboratory interface, methods consultation, and electronic data deliverables. Modifications to analytical services statement of work will be developed.
c. Provide assistance to the DOE Office of Quality Assurance (within the DOE Office of Health, Safety, and Security) and participate in the DOE Consolidated Audit Program (DOECAP) and the DOE Integrated Contractor Purchasing Team (ICPT) Basic Order Agreement (BOA) Technical Team.
d. Develop modifications, as needed, to support continual process and quality enhancements for validations for organic, radiochemistry, and inorganic chemistry, and issue changes to the validation contracts, as required.
e. Maintain and store record files of analytical data (raw data, analytical results, and field logbooks) received for each project.
f. Maintain records for ICP sample disposition.
g. Maintain and upgrade, as necessary, SAM computer applications and data warehouses. Currency on the SAM website for reference information and data links will be maintained.
h. Provide Procurement support for acquiring laboratory services; identifying potential vendors or service providers; maintaining a current list of service providers; issuing solicitations; evaluating proposals; and negotiating terms, conditions, pricing, and delivery. Development and award of subcontracts will be supported. Subcontract compliance will be monitored and enforced; modifications will be recommended and issued, as needed; and requisitions for new TOSs will be issued and completed contracts will be closed out.
i. Provide for the computer support necessary to maintain web pages and the use of file transfer protocol (FTP) servers as well as the computer hardware and software necessary to support TOS writing, data receipt, and data upload to the Environmental Data Warehouse.

D. ICMS
a. Implement and maintain Dolphin_s Comply Plus Web (CPW), a chemical inventory tracking application.
b. Participate in system audits/reviews, Chemical Services audits, and support corrective actions.
c. Support data quality improvement initiatives, including supporting chemical inventory tracking application users with ongoing data corrections, correcting discrepancies identified during physical inventory activities, and modifying and resolving data discrepancies.
d. Maintain procedures pertaining to the management, security, maintenance, and use of the application (i.e., Software Management Plan, Software Test Plan, Configuration Management Plan, and quality assurance documentation).
e. Maintain the System Requirements Specification.
f. Train chemical inventory tracking system users.

g. Produce ad hoc queries and reports.
h. Develop methodologies for correcting and warehousing data.
i. Prepare necessary software documentation (requirements, design documentation, and test documentation) for ongoing software changes and rollouts.
j. Maintain software licenses and hardware current to meet customer needs.
k. Monitor day-to-day work to ensure that tasks are being performed within the technical baseline, and adequately monitor and control the scope of work.
l. Provide technical support to chemical coordinators completing CPW chemical product, environmental, and safety information.
m. Implement quality assurance and work control processes to improve overall data quality in the chemical tracking system. This work includes tracking and management of data discrepancies.
n. Provide centralized chemical receipt support at CPP-1606 and virtual receipt of chemicals for the ICP, including verification of the accuracy of the product, material safety data sheets (MSDSs), and the product information as well as input of tracking and inventory information (e.g., barcode chemical containers) into the chemical inventory tracking application.
o. Perform reviews of requisitions/P-cards to ensure that chemicals are captured as they enter the ICP.
p. Maintain procedures and the chemical qualification program.
q. Perform chemical inventory data validation and correction.
r. Perform annual Site-wide chemical inventory.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Site Environmental Compliance
a. External
i. E1-Regulatory (annual and semiannual requirements)
1. ICP-certified Permit Condition Industrial User (I.U.) (other non-compliances) reports, due to DEQ semiannually on August 1 and February 1.
2. Annual INL Site Treatment Plan and INL Site Treatment Plan update, due to the State of Idaho by November 15.
3. Annual Asbestos/National Emission Standards for Hazardous Air Pollutants (NESHAP) Renovation Notification, due by December 1.
4. Revised Annual Asbestos/NESHAP Renovation, due by January 15.
5. Polychlorinated Biphenyl (PCB) Waste Document log and annual records, due by July 1.
6. Annual Radioactive PCB Waste Inventory, due by July 15.
7. Annual Comprehensive Environmental Data Repository (CEDR) report, due by November 15.
8. Annual Site Sustainability Plan, due by November 15.

ii. E3-DOE-HQ/ID/External Customers
1. ISO 14001 semiannual registration audits.
2. DEQ RCRA permitting quarterly meeting summary and action items.
3. Input for annual DOE-HQ Site Treatment Plan Chief Financial Officer (CFO) report, due upon request from DOE.

b. Internal

i. Written materials for quarterly INL Site Treatment Plan meetings (i.e., agendas, meeting minutes, and other documentation, as required by DEQ).

ii. Documentation and updates to the ICP tanks in the INL tank inventory database to resolve potential regulatory issues for Environmental Management (EM) tanks.

iii. Completion/support of regulatory-specified milestones in regulations, consent orders, permit work plans, etc.

iv. No violations of environmental regulations or consent orders.

v. Demonstrated open communication with DOE-ID/regulators on compliance issues.

vi. Adherence to DOE-ICP regulatory interface protocol.

vii. Continued maintenance of ISO 14001 registration.

viii. Support of facility evaluation boards (FEBs), regulatory inspections.

ix. Successful implementation of the environmental self-assessment program.

x. Monthly self-disclosure logs transmitted to regulatory agencies, as necessary.

xi. Updated ICP environmental policies and procedures.

xii. White papers and correspondence with DOE and regulatory agencies resolving ICP cross cutting issues.

xiii. Regulatory integration guidance for planning of the ICP life-cycle baseline, and project specific project execution plans (PEPs) and updates to the ICP PEP Regulatory Strategy, as necessary.

xiv. Distribution of environmental correspondence to appropriate staff and management, including identification of required actions.

xv. NEPA compliance officer interface with DOE-ID.

B. SAM

a. Preliminary data packages

b. Limitations and validations reports

c. Laboratory subcontracts

d. Data entry to the Environmental Data System

C. Chemical services to chemical users at the INL.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. Internal

1. Site Environmental Compliance

a. Projects will provide direct funding for RCRA closure plan development and implementation. This work package covers only oversight and coordination of RCRA closure activities.

b. Only routine updates to the INL Site Treatment Plan are required.

c. ICP projects provide funding for lead management compliance coordination and disposition. This work package covers only oversight and coordinates ICP Lead Management Program compliance activities, including routine assessments of compliance to MCP-3480, "Environmental Instructions for Facilities, Processes, Materials, and Equipment," requirements, database management, lead inventory reporting, and tracking movement and disposition of lead.

d. Environmental support for the NEPA Compliance Office, spill notification, commitment tracking, self-disclosure logs, ISO 14001, and Manual 8, Environmental Protection and Compliance, will be carried out within this work package.

e. Projects fund specific NEPA support work.

2. SAM

a. SAM requires electronic analytical data deliverables in a specified standard format.

b. SAM will continue to support the DOECAP.

B. External

1. Site Environmental Compliance

a. No significant changes will be made in environmental regulatory requirements at the state or federal level.

b. No changes will be made in authorization of environmental programs (e.g., Idaho does not lose authorization to the EPA.

c. No appreciable increase will be required in reporting requirements, data, and/or information requests from external entities (e.g., regulators, DOE, environmental activists, etc.).

2. SAM

a. Commercial laboratory capacity and capability are available.

4. EXCLUSIONS:

A. Site Environmental Compliance

1. Advanced Mixed Waste Treatment Project (AMWTP) areas.

#: 34

Title: Rad Safety

1. GENERAL WORK DESCRIPTION: (provide general work scope description)

The Radiological Control Directorate is responsible for the ICP Radiation Protection Program that implements the requirements of 10 CFR 835, "Occupational Radiation Protection"; DOE O 458.1, "Radiation Protection of the Public and the Environment"; and DOE O 153.1, "Departmental Radiological Emergency Response Assets," to ensure that the radiological control program can perform in the most effective manner to support the ICP mission. The Radiological Control Directorate provides technical and functional direction for the ICP Radiation Protection Program in support of ICP operations and activities in accordance with 10 CFR 835, DOE O 458.1, and DOE O 153.1.

Provide technical and functional direction for the Radiological Engineering program in support of ICP operations and activities in accordance with 10 CFR 835.

Work for Internal Dosimetry serves as a collection account for all costs associated with internal dosimetry (DOELAP accredited analytical services for processing of fecal and urine bioassay samples and the in vivo analysis program in support of the internal radiation dosimetry program for ICP operations and activities in accordance with the requirements of 10 CFR 835) for ICP projects.

Work for External Dosimetry serves as a collection account for all costs associated with external dosimetry ((DOELAP) accredited external radiation dosimetry services for ICP operations and activities in accordance with the requirements of 10 CFR 835) for ICP projects.

SCOPE TO BE PERFORMED:
A. Manage the ICP Radiological Control Program including providing functional and technical direction as well as oversight of work activities to ensure that work is performed in compliance with 10 CFR 835 and the Radiation Protection Plan.
B. Radiological Engineering: Provide functional and technical direction as well as oversight activities for all aspects of the Radiological Engineering program including facility design and modification, shielding evaluations, waste characterization, and source-term determination.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Site-level procedures and policies in support of the Radiation Protection Program.
B. Coordination of Radiological Control subcontract services.
C. Radiological Protection Plan.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
None

4. EXCLUSIONS:
No exclusions

#: 35
Title: Operations Technical Support

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides the cross-cutting management, technical, and administrative support to direct, plan, support, and obtain ICP Operations Technical Support Services to include, managing the ICP Emergency Management Program, managing the ICP Continuity of Operation (COOP) Program, managing the ICP Hoisting and Rigging (H&R) program, managing and providing technical support to the INL Welding Procedure Qualification Program, providing general management and administrative support to the Construction Services functional/cross-cutting organization, managing the ICP Maintenance program, and managing the ICP Conduct of Operations program.

SCOPE TO BE PERFORMED:
Maintain safety management programs (SMPs) for Conduct of Operations, H&R, Emergency Preparedness, and Maintenance. In addition, Construction Management/Direct-Hire Force Account support will be provided to the ICP line organizations.

Implement and maintain DOE orders and directives associated with SMPs.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

EMERGENCY MANAGEMENT PROGRAM

A. Readiness assurance through self-assessments of the Emergency Management Program, exercise evaluations, maintaining performance indicators and documenting the results in the Emergency Management Readiness Assurance Program (ERAP) document.

B. Maintaining Company Manual 16, Emergency Management.

C. Maintaining the training and qualification of the ICP Emergency Response Organization (ERO) teams at the project facilities.

D. Maintaining compliant implementation of the Emergency Management Safety Management Program to SAR-100, "ICP Standardized Safety Analysis Report (SAR) Chapters"/TSAR-100, "ICP Standardized Technical Safety Requirements (TSR) Document," requirements.

E. Implement requirements issued by the DOE Office of Health, Safety and Security (HSS) in Operating Experience (OE) Bulletin (Level 1) OE-1 :2013-01 regarding "Improving Department of Energy (DOE)Capabilities for mitigating beyond design basis events."

CONTINUITY OF OPERATION PROGRAM

A. Maintaining the implementation of DOE O 150.1, "Continuity Programs."

B. Maintaining the protection of special nuclear material during a continuity event (natural disaster, pandemic, etc.).

C. Maintaining interfaces between ICP and INL contactors for interface of essential functions such as security, payroll, information technology, medical, etc.

D. Maintaining the COOP plan through self-assessments, testing, training, and drills, and submit the results through the Continuity Readiness Assessment Report to DOE-ID.

WELD PROCEDURE QUALIFICATION PROGRAM

A. Maintaining procedure qualification records and welding procedure specifications records.

B. Maintaining an accredited and compliant Weld Test Laboratory.

CONSTRUCTION MANAGEMENT

A. Maintaining construction processes, procedures, and practices in support of regulatory compliance, operational efficiency, and continuous improvements in human performance.

B. Coordinating the allocation, leasing, maintenance, repair, and return of heavy equipment and other construction rolling vehicles.

C. Updating and maintaining the Site-wide Subsurface Investigation Team (SIT) database.

MAINTENANCE PROGRAM

A. Maintaining Company Manual 6, Maintenance, procedures and forms.

B. Maintaining compliance with DOE O 433.1B, "Maintenance Management Program for Nuclear Facilities," and DOE O 430.1B, "Real Property Asset Management."

C. Maintaining the ICP Appendix to the INL Ten-Year Site Plan.

D. Scheduled real property condition assessment surveys (CASs).

E. Maintaining the real property data in the DOE Facility Information Management System (FIMS) database.

F. Maintaining a DOE ID-approved Nuclear Maintenance Management Program (NMMP) description document.
G. Maintaining compliant implementation of the Maintenance SMP to SAR-100/TSAR-100 requirements.

H&R PROGRAM
A. Maintaining Company Manual 2, Hoisting and Rigging, implementing procedures and forms.
B. Maintaining compliance with DOE-STD-1090, "Hoisting and Rigging."
C. Maintaining compliant implementation of the H&R SMP to SAR-100/TSAR-100 requirements.

CONDUCT OF OPERATIONS PROGRAM
A. Maintaining compliance with DOE O 422.1, "Conduct of Operations."
B. Maintaining Company Manual 9, Operations, implementing procedures and forms.
C. Maintaining the ICP Conduct of Operations conformance matrices.
D. Maintaining compliant implementation of Conduct of Operations SMP to SAR-100/TSAR-100 requirements.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Assumptions for this work package include level-of-effort support for the functions identified in the scope statements above.
B. The List B requirements document of the ICP contract will not change.
C. The LST-1, "Responsible Managers, Functional Support Managers, and Subject Matter Experts," roles and responsibilities for responsible managers, functional support managers and subject matter experts will remain as they are currently described.
D. The ICP approach to Nuclear Safety implementation remains as described in SAR 100/TSR 100.
E. In accordance with IAG-292, "Service Agreement for the Weld Procedure Qualification Program (Other Site Service)," costs will be a 58% to 42% split, with INL assuming 42% of the costs and ICP assuming 58% of the costs.

4. EXCLUSIONS:
None.

#: 36
Title: INTEC Support of ICP

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides for the following:
A. High-quality food services at INTEC and RWMC. Food service equipment will be maintained in safe working condition.
B. BEA calibration of ICP portable radiation monitoring instruments and measuring and test equipment, as requested.

C. Adequate life-safety systems maintenance and operations services at all ICP facilities (Test Area North [TAN], RWMC, INTEC, and Idaho Falls Technical Support Building [TSA/B]).
D. ICP portion of the Battelle Energy Alliance, LLC (BEA) operation and maintenance of the high-voltage and medium voltage transmission system at the INL Site.

SCOPE TO BE PERFORMED:
1. Provide meals, snacks, and fresh-baked products for personnel located at INTEC and RWMC.
a. Operate two Site cafeterias
b. Purchase and maintain quality, fresh-food products for meal preparation and baking.
c. Prepare cost-effective, nutritious, high-quality meals in a safe and timely manner.
d. Maintain a food inventory for use in emergency situations at the Site.
e. Perform proper dishwashing and sanitation on all dishware, tables, counters, and equipment.
f. Ensure that both cafeterias are equipped with paper goods, cleaning supplies, small ware, utensils, pots and pans, and safety equipment for meal production and service.
g. Provide small kitchen equipment for operational needs (usually less than $5K).
h. Provide weekly menus and nutritional information to the Site customers.
i. Maintain computerized cash registers for food service operation. This work includes upgrades in software and/or hardware.
j. Maintain catering capabilities.
k. Provide labor, equipment parts, and vehicles for operational needs of the two Site cafeterias.
2. Pay BEA for and coordinate with BEA on calibrations of portable radiation monitoring instruments and measuring and test equipment.
3. Provide adequate life-safety systems maintenance and operation and day-to-day tactical and logistics program management activities to ensure that work covered under the life-safety systems continues safely and uninterrupted.
4. Pay BEA for ICP's portion of the operations and maintenance of the high-voltage and medium voltage transmission system at the INL Site.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Provide hot and cold meals at two site cafeterias, including:
a. Fresh salads for the salad bar.
b. Fresh baked goods.
c. Proper dishwashing and sanitation of all dishware and equipment for meal production and service.
d. Catering and special events support.
B. BEA to calibrate portable radiation monitoring Instruments and measuring and test equipment.
C. Provide adequate ICP life-safety systems maintenance and operations including inspection, testing, and preventive/corrective maintenance on the fire alarm, voice paging, evacuation, Emergency Communication System (ECS), water-based fire suppression systems, fire pumps, portable fire extinguishers, and special hazards suppression systems at all ICP

facilities (TAN, RWMC, INTEC, Idaho Falls technical support building [TSA/B], and D&D). Preventive/corrective maintenance activities identified in PRD-158, Inspection, Testing, and Maintenance of Fire Protection Systems and Equipment and applicable National Fire Protection Association (NFPA) codes will be performed.
D. BEA to provide an operating and maintained electrical transmission system for electricity needs of all ICP facilities.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. ICP will continue to provide food service at INTEC and RWMC through FY-15. Menu selection, food quality, and number of meals will be at the same level provided in FY-11. No equipment repairs/replacement or facility improvements over $5K will be required. Revenues will be credited to this account from meals and meal tickets.
B. BEA will continue to provide calibration services to ICP through FY-15. The level of calibration support required from BEA will be at a lower level experienced in FY-11 when the original baseline was established, and instead will be at a level commensurate with the costs incurred during the first half of ICP-II. Purchases of portable radiation monitoring instruments and measuring and test equipment will be charged to the projects.
C. BEA will continue to operate and maintain the high-voltage and medium-voltage transmission system at the INL Site through FY-15. ICP's costs will be at the same level incurred in FY-11 plus escalation.

4. EXCLUSIONS:
A. Cafeteria dinner meals.
B. Facility maintenance

#: 37
Title: Engineering

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Performance of management and administrative activities that support the engineering services provided to the ICP as follows:

A. Professional development activities and core training for employees (excluding labor) within the ICP Engineering organizations. This activity also includes professional engineering licenses, association memberships, and qualifications required to support the mission of ICP projects. Expanded capability and new software needs identified by individual projects will be funded by the project.

B. Automation tools hardware and software required by engineering personnel within the ICP Engineering organization to perform their work.

C. Configuration Management (CM) Safety Management Program (SMP) implementation and maintenance. The ICP Chief Engineer is responsible for implementation of the nuclear safety attributes of the CM SMP as defined in SAR-100/TSR-100. The Chief Engineer is responsible to provide the Functional Support Manager and Subject Matter Expert roles as defined in List

(LST)-1. This also includes performing and evaluating program assessments as required by LST-202, and reporting program status and health to the Executive Safety Review Board (ESRB) semi-annually.

D. Conduct of Engineering (COE) functional support to all ICP projects. The ICP chief engineer accomplishes this required support through cost-effective delivery, maintenance and assessment of engineering processes, procedures, and services that support the engineering needs of the various ICP projects and implement contract requirements. The Chief Engineer also provides requirements interpretation and implementation support for DOE Order 420.1B and DOE Manuals 140.1-1B and 441.1-1 as required by LST-1,

E. Technical support for the ICP Electrical Safety Committee concerning electrical aspects of National Fire Protection Association (NFPA) codes and standards. Also provides technical support as requested for other Company programs such as pressure safety, hoisting and rigging, industrial safety and waste management.

F. ICP Architectural and Engineering (A/E) Standards support to all ICP projects. Design standards will be provided for facilities and all associated utility/communication systems. These design standards are used by internal and external A/E firms to properly design facilities for the INL Site. The codes and standards and the construction materials/products are routinely changed; therefore, the A/E standards must be updated on a regular basis.

SCOPE TO BE PERFORMED:

ICP ENGINEERING MANAGEMENT AND SUPPORT

A. Provide management and administrative support required by the ICP chief engineer for the following organizations: ICP Chief Engineer; Engineering Services; Civil/Structural & Analysis; Electrical Engineering; Mechanical Engineering; and Drafting.

B. Perform management and programmatic assessments in accordance with applicable company procedures.

C. Provide ICP with system engineering functional support and technical oversight.

D. Provide office supplies to support department personnel.

E. Provide two vehicles for transporting engineering resources to project locations, as needed, to provide timely response to project needs.

ICP ENGINEERING PROFESSIONAL DEVELOPMENT AND TRAINING

A. Provide payment for professional engineering licenses when required by employee job descriptions (EPDs).

B. Provide membership renewals and subscriptions in professional associations (such as the American Society of Civil Engineers [ASCE], American Society of Mechanical Engineers [ASME], and NFPA when such membership provides a benefit to the ICP).

C. Establish core training requirements and training content ICP Engineer, Design Engineer, and Basic System Engineer job codes and Qualifications for company engineering resources.

D. Maintain needed personnel qualifications.

ICP ENGINEERING HARDWARE/SOFTWARE AND SUPPORT

A. In-house engineering software support and maintenance labor, provided by the ICP Engineering organization.
B. Maintain ICP-wide engineering automation tools, including software purchases and software license renewals. This work does not include new and added capability required by individual projects. (Note: Funding for this activity is limited in FY-13 and beyond.)
C. Refresh company standard hardware and software every 3 to 5 years for ICP employees. Staff augmentation positions and new hires added in support of single projects will be funded by the project.

ICP CONDUCT OF ENGINEERING
A. Evaluate and maintain contractual requirements related to engineering programs and document interpretation and implementation of ICP engineering requirements.
B. Update companywide Manual 10A, Engineering, controlled documents to support contractual requirements and the ICP mission.
C. Perform corrective actions to resolve engineering program Issue Communication and Resolution Environment (ICARE) issues.
D. Organize and Conduct ICP Engineering Council meetings.
E. Facilitate process-improvement efforts related to engineering processes and procedures.
F. Provide ICP interface in support of DOE for Defense Nuclear Facilities Safety Board (DNFSB) activities including annual report input, scheduling of meetings and tours, conducting planning meetings with projects, providing requested documents, and answering DNFSB queries.
G. Serve as the Configuration Management Safety Management Program (SMP) owner for ICP as required by SAR-100, "ICP Standardized Safety Analysis Report (SAR) Chapters," and TSR 100, "ICP Standardized Technical Safety Requirements (TSR) Document." Annual program review to the Executive Safety Review Board (ESRB) in accordance with TSR-100 requirements, and a semiannual status update will be provided.

ELECTRICAL SAFETY COMMITTEE
A. Review all Site-wide electrical job safety analyses (JSAs).
B. Provide engineering functional support for all electrical safety events.
C. Provide interpretive authority for NFPA 70, "National Electrical Code," and support for NFPA 70E, "Standard for Electrical Safety in the Workplace."
D. Provide Energy Facility Contractors Group (EFCOG) Electrical Safety Improvement Project (ESIP) work-group involvement.
E. Implement the flash hazards analysis process, including providing SKM Powertools support to projects.

A/E STANDARDS
A. Maintain A/E standards current with national consensus standards as adopted by the State of Idaho, and consistent with List B ICP contract requirements and lessons learned.
B. Update appropriate guide specification sections annually.
C. Attend annual meetings of the Engineering Practices Working Group (EPWOG), an EFCOG subgroup, to represent ICP.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

ICP ENGINEERING MANAGEMENT AND SUPPORT

A. Clear roles and responsibilities documented in EPDs for management and administrative staff who support the generation of the following deliverables:

1. Oversight of the entire ICP Engineering support implementation.
2. Oversight for the production of engineering deliverables (such as calculations, specifications, and drawings) for ICP customers.
3. Oversight for the production of civil/structural design, drawings, specifications and analysis and more sophisticated finite element analyses and calculations for ICP customers.
4. Oversight for the production of electrical design, drawings, specifications and calculations for ICP customers.
5. Oversight of the production of mechanical design, drawings, specifications and calculations for ICP customers.
6. Engineering program self-assessments and completion of corrective actions, as necessary.
7. Acquisition of Engineering Services from subcontracted resources to augment design support to projects. These resources within the ICP Engineering organization will be managed and deployed, as necessary, to the projects.
8. A system engineering program that is in compliance with DOE O 420.1A, "Facility Safety."
9. ICP chief engineer budget support and earned value reporting for services provided by the ICP Engineering Department.
10. Office supplies made available to department staff, as needed.

ICP ENGINEERING PROFESSIONAL DEVELOPMENT AND TRAINING

A. Professional development and training opportunities provided to personnel on a limited basis.

B. Memberships and subscriptions that support the ICP mission.

C. Personnel training plans and qualifications established for engineering personnel.

D. Communicated training needs and maintained individual training plans.

ICP ENGINEERING HARDWARE/SOFTWARE AND SUPPORT

A. In-house engineering software support and maintenance labor, provided by the ICP Engineering organization.

B. Maintained primary ICP Engineering automation tools, including software license maintenance renewals. Licenses for new software or for additional users will be funded by the project needing additional capabilities.

C. Minimum refreshed company standard automation tool hardware and software based on 3- to 5-year replacements. Any project-specific advanced computing hardware is to be provided by the project that has the identified need. Any new computers needed for added staff augmentation support are to be provided by the supported project.

ICP CONDUCT OF ENGINEERING

A. A requirements rolldown system that documents engineering contractual requirements, interpretation of requirements, and links to implementing company-controlled documents.

B. Engineering Manual 10A controlled documents structured and maintained to support the needs of ICP projects.
C. Manual 10A controlled document updates to ensure compliance with requirements, including disposition of suggested changes.
D. Conduct of Engineering assessments.
E. Completed ICARE corrective actions related to ICP Engineering department or program deficiencies.
F. Maintenance of the ICP Engineering homepage.
G. Companywide document reviews to ensure that conduct of engineering requirements are being met.
H. Conduct of engineering support for and input to the Engineering Council.
I. Support of process improvements that culminate with institutionalization of proposed actions into engineering processes and controlled documents.
J. Bi-Annual Configuration Management SMP assessment and report to the Executive Safety Review Board in accordance with TSR-100 requirements.
K. Resolution of DNFSB and DOE issues including responding to inquiries and providing input to the DOE Annual Report to Congress.

A/E STANDARDS
A. Updated INL Site A/E standards and guide specifications.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. As needs for ICP Engineering Services change, resources will be evaluated and adjusted accordingly. The strategy has been to staff to the valleys to the extent practical with staff augmentation resources to meet the peak demands and adjust over time.
B. This control account is based on a level-of-effort service.
C. Operations Engineering resources will remain deployed to specific projects, with approximately the same management structure as used in FY-13.
D. ICP Engineering resources deployed to projects will be managed for day-to-day assignments by the projects, and all supplies, office space, and equipment will be provided by the projects.
E. All engineering tools will be reviewed on a yearly basis to evaluate need, function, and management structure.
F. Contractual requirement changes will be evaluated and implemented via a change control process.
G. If an electrical safety committee member or SME is asked to provide assistance to a specific project or program activity, beyond incidental reviews as part of a committee meeting, funding will be provided by the project or program.
H. Company-required and facility-specific training costs for engineering resources is charged to the benefitting project No funding is provided for personnel time to attend training classes. Labor costs will be spread to area projects.
I. Process improvements are assumed in the outyears to support forecast personnel reductions in management and conduct of engineering.
J. Electrical Safety Committee

1. The labor cost for participation of ICP Engineering personnel will be funded through this account. Any training costs for committee members will also be funded by this account.
2. If an ICP Engineering resource is asked to provide assistance to a specific project or program activity, beyond incidental reviews as part of a committee meeting, funding will be provided by the project or program.

4. EXCLUSIONS:
A. Personnel performing project management functions or any engineering personnel not directly under the management of ICP chief engineer.
B. Direct engineering activities, which are planned by the subprojects.
C. In accordance with planning direction, cell phone and Blackberry monthly fees have not been included in this account. All costs are deferred to a collective company indirect account.
D. Professional development and training for employees who are NOT assigned to ICP Engineering.
E. Refreshing or maintenance of automation tool hardware and software for nontechnical programs.
F. A/E standards special requests or additional tasks requested by BEA.

#: 38
Title: Fuel Service Center

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides services in accordance with the Prime Contract with DOE for the Idaho Cleanup Project (ICP-2). Under the terms of the ICP Contract all work activities must be performed in a safe, compliant, and efficient manner.

SCOPE TO BE PERFORMED:
Manage all aspects of motor fuel including the acquisition of fuels, the delivery of motor fuels to motor vehicles, motor equipment, and the ICP fuel island. Direct costs are appropriately allocated to the subprojects through a Service Center.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Processing the necessary paperwork for costing and reporting ICP motor fuel consumption.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
As long as the subprojects need motor equipment to perform their operations, ICP will need to provide these activities with access to motor fuels.

4. EXCLUSIONS:
None

#: 39
Title: Training Service Center

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Regulatory Training maintains training programs, course materials, course and instructor qualifications, and Training program description documents current and in accordance with applicable regulatory drivers, DOE, and company requirements. Regulatory Training also provides safety training to ICP and INL workforces. In addition, Regulatory Training ensures maintenance of certifications, qualifications, knowledge, skills, and competencies in compliance with applicable federal laws and regulations. Work scope includes training analysis, design, development, presentation, and evaluation; training schedule development; and evaluation of vendor-delivered training.

SCOPE TO BE PERFORMED:
A. Provide radiological safety training, including radiological control technician/foremen (RCT/RCF) and radiological control engineer (RCE) quarterly continuing training.
B. Provide hoisting and rigging (H&R) training, including aerial lift, mobile crane, forklift, and other courses to the ICP workforce.
C. Provide conduct of operations, lockout/tagout, and unreviewed safety question (USQ) training to the ICP workforce.
D. Provide first-line supervisor training and human performance training to the ICP workforce.
E. Provide nuclear facility/building manager training to the ICP workforce.
F. Provide industrial safety training to the ICP workforce.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. Quarterly radiological control continuing training and facility-specific training to ensure that qualifications are maintained.
B. Quarterly RCE continuing training and facility-specific training to ensure that qualifications are maintained.
C. H&R training, including aerial lift, mobile crane, and forklift courses.
D. Conduct of operations, lockout/tagout, and USQ training.
E. First-line supervisor training and human performance training courses.
F. Nuclear facility/building manager training.
G. Industrial safety training.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Regulatory and nonfacility or process-related training will NOT be developed by Facility Training.
B. Other Facility organizations will budget for funding of tuition, transportation, and training time for their own staff.

4. EXCLUSIONS:
Any new or additional training work scope will be negotiated and impact reviews will be developed to ensure support and compliance.

#: 40

Title: Dosimetry Service Centers

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Provide DOELAP accredited external radiation dosimetry services for ICP operations and activities in accordance with the requirements of 10 CFR 835.

Provide DOELAP accredited analytical services for processing of fecal and urine bioassay samples and the In Vivo Analysis program in support of the internal radiation dosimetry program for ICP operations and activities in accordance with the requirements of 10 CFR 835. Also, provide DOELAP accredited analytical services (fecal and urine bioassay samples) and the In Vivo Analysis program to AMWTP.

Work scope within this account are being implemented as pass-through service center accounts for allocation of both external and internal dosimetry costs to the appropriate entities (ICP, AMWTP, DOE, etc.). The costs for ICP dosimetry will be captured either under the Internal Dosimetry work package or the External Dosimetry work package as applicable. These packages will net $0 for year-end costs.

SCOPE TO BE PERFORMED:
A. Program direction, support and services for the external radiation dosimetry program. Provide external dosimetry services to ICP and DOE.
B. Program direction, support and services for analysis of fecal and urine bioassay samples and In Vivo analysis. In Vitro and In Vivo services are provided to ICP, AMWTP, and INL Environmental Monitoring Program.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
A. External dosimetry services
B. Internal dosimetry services (In Vivo and In Vitro)

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
A. Assumes DOELAP accreditations for whole body and extremity dosimeters, and for in-vitro and in-vivo radiobioassay will be maintained.
B. Assumes dosimeter processing remains in-house
C. Assumes that the number of dosimeters required by the ongoing ICP and DOE-ID operations does not change significantly nor involve types of radiation not currently included in the monitoring capability.
D. Assumes that in-vitro analyses are subcontracted through GEL with a 5% annual increase in pricing.

4. EXCLUSIONS:
No exclusions

#: 41
Title: DOE Support

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Provide DOE-ID support as required.

SCOPE TO BE PERFORMED:
Provide DOE-ID support as required by approved authorization, including but not limited to:

- Dosimetry
- Training
- Copier Services
- Graphics
- IT Support
- Records Management
- Portable Toilet

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
No major products/deliverables

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
No assumptions

4. EXCLUSIONS:
No exclusions

#: 42
Title: Navy Fuel Transfers

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
Naval Spent Nuclear Fuel (NSNF) is currently stored in the CPP-666 pools at the Idaho Nuclear Technology and Engineering Center (INTEC) located at the Idaho National Laboratory (INL) Site. NSNF will be transferred to the Naval Reactors Facility (NRF), on the INL Site, for dry storage and eventual shipment to a geologic repository. No additional NSNF will be received at the INTEC facility. NSNF covered by the Memorandum of Agreement (MOA) at INTEC will be removed by June 30 2018, assuming adequate funding for scheduled delivery of materials, equipment, procedures, and operations.

DOE-ID is the landlord for the INL and has contracted the Idaho Cleanup Project (ICP). The return of NSNF is an ICP subproject and will be managed consistent with the requirements of DOE Order 413.1A, including environmental, nuclear and non-nuclear safety and health management.

DOE-ID is responsible for directing ICP to implement the scope provided in the MOA, including maintenance and operations, provision of designs, hardware, and documentation, and compliance with contractually applicable state and federal regulations and DOE Orders.

The Naval Nuclear Propulsion Program (NNPP) is responsible for defining the project scope, including provision of technical requirements, design, hardware, and documentation to INTEC. NNPP, through procedure and design reviews, will assure NNPP technical requirements are appropriately incorporated into subproject procedures and designs.

SCOPE TO BE PERFORMED:
Operations Schedule

The LCC shipping schedule is primarily driven by the NRF operations schedule --- the return of empty casks to INTEC. The sleeve loading and fuel preparation schedules are based on several factors:

- Fuel ready to be shipped to support the LCC schedule, preferably one year prior.
- Delivery of hardware from NNPP.
- Keep INTEC Operations crews optimally utilized based on the INTEC Fuel Capacity Plan

All activities will be scheduled to support this goal and to facilitate the operations schedule

A. Phase 1 LCC Shipments - Complete.

B. Phase 3 LCC Shipments - This campaign commenced in FY 2014. Operations include 18 LCC shipments in FY 2014 through FY 2014. Each shipment requires the receipt of NRGFE Spent Fuel Canister baskets, basket receipt inspection, LCC cask handling and loading of two different basket types. One basket is loaded with fuel-loaded sleeves, the other with rodded or poisoned clusters and smaller fuel assemblies. These shipments require the removal and reinstallation of a basket grapple ring to install fuel in center positions. Storage buckets must be disposed of. No equipment is dispositioned at the end of the campaign.

C. Phase 4 Sleeve Loading Group 2A - Complete.

d. Phase 4 Sleeve Loading Group 1A - Complete.

e. Phase 4 Sleeve Loading Group 2B - This campaign commenced in FY 2014. 39 sleeves will be loaded in FY 2014 through FY 2014 (7 are remaining in the FY 2015 scope). All of the sleeves to be loaded are MPL symmetrical divided. The NRGFE sleeves are received in boxes of 4 and receipt inspected to include dimensional and visual checks (no poison verification). Sleeves are transferred to the pool in groups of 4. Fuel items are currently mostly stored 4 to a bucket and 2 items are loaded into each sleeve using a snare tool modified and tested to interface with two new end effectors to accommodate the fuel items in this campaign. However, not all items in a sleeve come from the same bucket, requiring additional handling of buckets for each sleeve. Additionally, fuel types are mixed in some sleeves complicating the safety basis implementation. Storage buckets must be disposed of. Some equipment must be dispositioned at the end of the campaign.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)

A. Sleeve Loading groups 1B, 1C, 1D, and 2C are small incremental changes from groups 1A and 2A. Therefore, startup activities are reduced with respect to safety basis changes (list revisions only), procedure changes, SO test documentation, training, and readiness activities. A startup checklist is assumed instead of an MSA.

B. The Navy Miscellaneous Cans and ECF PPF scope is not included.

C. LCC shipping rate is assumed as listed in the scope section for each campaign.

D. LCC shipments are the priority and other activities are scheduled to support these shipments.

E. NRF operations tempo will support the specified number of LCC shipments per year.

F. Fuel preparation rate is assumed as listed in the basis of estimate for each campaign. Additional shifts are assumed for the first 8 sleeves in each campaign to account for slower operations at startup. An additional improvement in rate is assumed after 32 more sleeves to account for process improvements and proficiency. No special video inspections of fuel are assumed after FY 2013 except as negotiated with NNPP and DOE. Video will be taken of each bucket as it is relocated into Pool 5 prior to sleeve loading.

G. Fuel characterization information in the NNPP provided document 522H1288 revision C is being used to support designs. It is assumed this is the last significant revision of this document.

H. Inspection, certification, and acceptance requirements will not change.

I. All fuel items being loaded into sleeves will be cleaned on top with an underwater vacuum as needed. Bottom and sides of fuel items will be cleaned with high pressure water stream if needed. No more than 10% of fuel items will require the bottom and sides cleaned.

J. The sleeve loading schedule is based on the assumption that fuel handling crews will remain at 3 crews through all of FY 2014. Any future need to return to 4 crews would require 6 months lead time for hiring and qualification of personnel. Additional funding to cover training/qualification costs would need to be provided.

K. The fuel handling crew utilization plan assumes 15% crew assignment to miscellaneous unplanned or unscheduled activities to account for general training, facility unavailability for maintenance, work stoppages and issue resolution, required inspections and inventories, waste removal, etc.

L. Disposition of buckets will be performed each time approximately 40 empty buckets have been accumulated in the transfer channel to avoid encumbering operations. Approximately 20 buckets will be placed in each waste box. Disposition will be to the Nevada Test Site (NTS). Some existing buckets contain fuel that is included in more than one campaign; therefore, some buckets will be deferred until a later campaign for disposal.

M. The cost is affected by the forecast of what other fuel handling operations will be performed in the same timeframe as the naval fuel handling activities. It is assumed that for the duration of this project, this will not be the only operation ongoing in the CPP-666 facility, so the cost of maintaining the facility is shared:

When these activities are occurring, the cost of facility maintenance and management is partially charged to these activities and not just the naval fuel handling scope.

N. The facility systems will continue to operate through the end of 2014 without major failure that would impact operations for more than a couple of weeks. The cost of major repairs

for these systems is not included. Any resolution of the current concern with water treatment resin bed life is not included as this primarily impacts the storage of aluminum fuels.

O. No major crane modifications or repairs.

P. No major changes to existing cask handling or fuel handling equipment.

Q. NNPP will provide NRGFE and requirements documents to meet schedule needs (See GFSI needs in Work Package narratives).

R. NRGFE will arrive compliant with the design documentation and technical manual inspection requirements. Delays and recovery efforts caused as the result of issues with NRGFE are not included in this scope.

S. Resources will be available to support the scheduled need (Facilities, Operations Crews, Engineering, Fabrication Shop, etc.).

T. INTEC sequenced the campaign startups so that sufficient resources are available to successfully complete all actions on time to support keeping the operations crews occupied.

U. DOE and NNPP have directed ICP to not include Emergent Work or Management Reserve in this project this FY. Past estimates included these contingency funds as follows:

1. Emergent Work is new scope requested by DOE (or NNPP through DOE) and typically was $350K to $500K through FY 2013.

2. Management Reserve covers new scope or increased costs identified by ICP. The formal FY 2013 cost estimate used 7% as calculated by @Risk.

As a result, a new process will be developed to add new scope to the baseline. This scope includes budget for the administration of up to a specific number (8) of efforts to estimate and change the baseline for new scope (B.16 Level II Cost Estimates or equivalent). The cost of administrative effort in excess of this will be included in the cost of the scope change.

V. All services will be provided by ICP except emergency preparedness/facility protection, security, machinist and supervisor when INL machining services are utilized, and facility support services.

W. Any changes to the MOA will not significantly impact costs.

X. All labor resources required will be available.

Y. Existing naval reactors government furnished equipment (NRGFE) drawings accurately represent as-built conditions.

Z. All material costs are subject to and include 6% Idaho state sales tax.

AA. The execution of this work scope requires close coordination with other ICP projects including ATR receipts and DRR/FRR receipts which may use the same resources, facilities, and equipment.

BB. NNPP provided equipment including fuel mockups, basket, spacer, and empty LCC will be provided on-schedule to support startup training and dry runs.

CC. Schedule risks which are out of ICP control exist in this project due to equipment and cask delivery by NNPP and reviews by NNPP. Review turnaround is assumed to be 2 weeks for NNPP reviews of new equipment and procedures and 1 week for revisions.

DD. Personnel down time due to delay of NNPP delivery and equipment failure while executing this work will be charged to this account.

4. EXCLUSIONS:

- Delays in procedure and design review cycles and/or the revision of technical requirements by NNPP are not accounted for.
- Delay in delivery of NRGFE by NNPP is not accounted for. (see GFSI information)

#: 43
Title: 103 Naval Reactor Can Disposition to WIPP Project

1. GENERAL WORK DESCRIPTION: (provide general work scope description)
This account provides for Fiscal Year (FY) 2013 _ 2015 limited scope for the 103 Naval Reactor Cans to WIPP Disposition Project. The Project Management and Administration (PM&A) work package support includes project management, project engineering, administrative support, project controls, and technical evaluations of the 103 Naval Reactor Can inventory. Additionally, support is provided to Nuclear Waste Partnership (NWP) _ Central Characterization Project (CCP) Services work package to evaluate Naval Nuclear Propulsion Project (NNPP)-provided acceptable knowledge (AK) documents to allow preparation of an AK Summary Report, and radiochemical sampling and analysis plans, if required. The CCP is the national certified authority for performing characterization, certification, and transportation activities for remote-handled transuranic (RH-TRU) to be disposed at the Waste Isolation Pilot Plant (WIPP).

The project scope is limited to technical evaluations and preparation of key WIPP programmatic documents due to funding restrictions and pending future decisions by the NNPP for proceeding with the full project scope for the 103 Naval Reactor Cans Disposition to WIPP project.

SCOPE TO BE PERFORMED:
The scope to be performed in FY13 provides for project management and administration, Waste Management technical support, safeguards and security support (upgrading security clearances for up to10 personnel), and CCP services activities.

The scope to be performed in FY14 provides for project management and administration, Waste Management Technical support, and CCP services activities.

The scope to be performed in FY15 provides for project management and administration and CCP services activities.

2. MAJOR PRODUCTS AND DELIVERABLES: (Including Primary and Secondary documents, Readiness Assessment, AHA, Characterization, Demolition, DQO, and Other)
Key deliverables for this account are as follows:

Project Management and Administration:
A. Engineering Design File report documenting radiological attributes of the 103 NR Can waste stream.
B. Report on expected hydrogen generation and concentrations for unvented and post-repackaging containers.
C. Evaluation report on radiological characterization approach.
D. Obtain security clearances for key staff.

CCP Services:
A. Complete summarization of NNPP-provided AK source documents
B. Prepare AK Summary Report for the 103 NR Can inventory

C. Prepare radiochemical sampling and analysis plans, if required.

3. ASSUMPTIONS: (Assumptions are expected to justify the scope and may assist in the basis for future review and approval of changes)
Key planning assumptions for the limited scope effort are as follows by work package:

Project Management and Administration Work Package

A. PM&A support is limited to supporting a reduced effort on the 103 Naval Reactor Can Disposition project.
B. The NNPP is funded separately to address technical issues and questions that may arise during evaluation of NNPP-provided end-of-life radionuclide information and acceptable knowledge source documents.
C. No more than 10 security clearances are required for key personnel.

CCP Services Work Package

A. AK information is sufficient to allow assignment of hazardous waste numbers for WIPP disposal.
B. No classification issues affect releasing AK source documents to support preparation of WIPP programmatic documents or providing AK source documents and WIPP programmatic documents to the regulators and public that would compromise the ability to obtain future waste stream approval.
C. No more than three radiochemical sampling plans will be required to establish a sampling approach that will provide the necessary radiochemical data to develop a radiological characterization approach that will comply with RH-TRU Waste Characterization Program Implementation Plan requirements. No sample preparation capability will be required prior to sample transfer to the analytical laboratory.
D. AK information is sufficient to support a defense waste determination without requiring Department of Energy (DOE) evaluation of the determination.
E. All 103-can contents are assumed to meet the following requirements of DOE M 435.1-1, _DOE Radioactive Waste Management Manual_: _Test specimens of fissionable material irradiated for research and development only, and not production of power or plutonium, may be classified as waste, and managed in accordance with the requirements of this Order when it is technically infeasible, cost prohibitive, or would increase worker exposure to separate the remaining test specimens from other contaminated material_; the contents can be qualified as RH-TRU waste for disposal at WIPP.
F. The contents of all 103 cans will meet DOE/WIPP-02-3122, Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant.
G. CCP resources will be available to meet task and schedule needs.

4. EXCLUSIONS:
- FY 2014 and FY 2015 activities for additional security clearance upgrades, Idaho Nuclear Technology and Engineering Center project management and administration; development of additional WIPP programmatic documents (Certification Plan, Radiological Characterization Technical Report, etc.); waste management senior management support and oversight activities;

authorization basis development; facility modifications and FY 2015 technical evaluation support and radiochemical analytical support are excluded scope due to direction to proceed with reduced funding and scope from the February 2013 proposal.

- Post FY-2015 activities are excluded.