

## FY 2002-2004 PERFORMANCE BASED INCENTIVE

### SECTION 1 GENERAL INFORMATION

Performance Incentive Number: PBI-11 (Environmental Management)  
Program Based Summary Number:  
Performance Incentive Short Title: **Reduce INEEL EM Footprint**  
Revision Number & Date: May 23, 2002  
Maximum Available Incentive Fee: \$6500K (\$3675K Base; \$2825K Stretch)  
Performance Incentive Type: Base Stretch Superstretch  
Duration: Annual Multi-year  
Fee Payment Type: Completion Progress Provisional  
DOE Technical Monitor: Pete Dirkmaat, Bill Leake, Ed Ziemanski  
BBWI Technical Monitor: Douglas Jorgensen, Leonard Sygitowicz  
(check appropriate box)

### SECTION 2 PERFORMANCE OUTCOMES

Check Appropriate Box:

- Outcome #1 Deliver science-based, engineered solutions.  
 Outcome #2 Complete environmental cleanup responsibly.  
 Outcome #3 Provide leadership and support to optimize investments.  
 Outcome #4 Enhance scientific and technical talent, facilities, and equipment.

### SECTION 3 PERFORMANCE MEASURES AND EXPECTATION (S)

List associated performance measures and performance expectations for FY02-04. Identify associated PBS # for each performance measures as appropriate.

#### Measure 1: Close TAN

Expectation 1.1: The TAN Hot Shop and associated facilities and support utilities will be placed into "safe store, cold standby" condition by the end of FY03.

Expectation 1.2: (Reserved) TAN-607 complex deactivated to the agreed upon state by the end of FY04 consistent with the 2012 funding scenario. (See section 4, Define Completion, for the end state planning description) (Base and Stretch)

Expectation 1.3: Move the four casks at TAN-791 storage pad and two West Valley casks at INTEC to INTEC Dry Cask Storage Pad by September 30, 2004. (Two heavy casks are not included in this expectation.) (Stretch)

#### Measure 2: Close WERF/WROC

Expectation 2.1: Consolidate MLLW storage and close WROC

Footprint reductions. This is an annual measure for the first three bullets.

- By September 30, 2002, reduce the footprint by removing and dispositioning all MLLW stored in the Mixed Waste Storage Facility (MWSF). At least 60% of the MLLW removed from MWSF must be shipped to an off-site disposal facility.
- By September 30, 2003, remove all MLLW from the Portable Storage Units (PSUs)
- By September 30, 2004, remove all the remaining MLLW from the WWSB. At least 60% of the MLLW removed from WWSB and previously removed from the PSUs must be shipped to an off-site disposal facility.
- By September 30, 2003, accelerate moving all waste out of WROC with at least 25% of the waste removed being shipped to an off-site treatment/disposal facility. (Stretch)
- By the end of FY04, finish all closure activities in Closure Plan. (Stretch)

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Expectation 2.2: Close WERF under RCRA

RCRA Close WERF in FY03. Note: There are no FY02 WERF closure measures that will be fee bearing.

- RCRA Closure of WERF by September 27, 2003.

### Measure 3: Progress towards other site closures

Expectation 3.1: Complete all SITE-TANK-005 tank characterization at TAN by the end of FY03 . (Stretch)

Expectation 3.2: By September 30, 2004, inactivate/deactivate the following facilities to an agreed upon level of S&M, consistent with the 2012 funding scenario. (See section 4, Define Completion, for the end state planning description) (Reserved: Base and Stretch)

Expectation 3.2A

Scope: Deactivate MTR canal to the proposed end state by September 30, 2004.

End State: Completion of the MTR canal deactivation project PBI will include: Removal of the fuel storage racks and debris, sludge removed or stabilized, canal water drained, walls decontaminated, wall contamination fixed and installation of a temporary cover over canal. The project will also have disposed of all generated waste.

Expectation 3.2B

Scope: Deactivate CPP-603 Complex to the proposed end state by September 30, 2004.

End State: At completion of FY04, the fuel storage racks will have been removed, the sludge removed, and basin grouting and water removal will have been initiated, and the disposition of generated waste. However, completion of basin support equipment removal will run through FY10 at an associated cost of \$3.0M per year.

Expectation 3.2C

Scope: Deactivate PBF-620 to the proposed end state by September 30, 2004.

End State: Completion of the PBF-620 canal deactivation project PBI will include: removal of the fuel storage racks and debris, sludge removed or stabilized, canal water drained, walls decontaminated, wall contamination fixed, and installation of a temporary cover over the canal. The project will also have disposed of all generated wastes.

Expectation 3.2D CPP-601 Complex

Scope: By September 30, 2003, Inactive Sites and Operations will identify potential modifications to CPP-601 that will reduce S&M requirements. DOE will decide if funding should be committed to execute any modifications. Additional modifications or recommendations may be identified at the completion of the CPP-601 SAR update scheduled for completion in the first quarter of FY04.

Expectation 3.2E TAN

Scope: TAN closed to the agreed upon state by the end of FY04 consistent with the 2012 funding scenario.

End State: Completed work that satisfies the FY04 end state must represent completing work scope that actually achieves closure/partial closure of the TAN site sooner.

## SECTION 4 FEE SCHEDULE

*Identify fee payment schedule for the PBI and the type of payments to be made (e.g., provisional, progress, final) and the basis of the payment (e.g., per canister completed, per assembly, earned value, etc.)*

### Measure 1: Close TAN

Expectation 1.1: Remove any remaining fissile material debris from TAN-607 by end of FY03.

- A Final payment of \$600K will be paid at the end of FY03 for successfully removing any of the remaining fissile material debris and SNM from TAN. (\$600K)

Expectation 1.2: TAN-607 complex deactivated to the agreed upon state by the end of FY04. \$25K Stretch fee is earned in FY02 for developing the TAN closure strategy. (\$25K Stretch/FY02; \$300K/FY03 and FY04 = base fee of \$600K) (Reserved)

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### Expectation 1.3: (Stretch)

- A final payment of \$400K will be paid for moving the four casks at TAN-791 storage pad and two West Valley casks at INTEC to INTEC Dry Cask storage pad by September 30, 2004. (Two heavy casks are not included in this expectation.) (\$400K) (Stretch)

### Measure 2: Close WERF/WROC

#### Expectation 2.1: Consolidate MLLW storage and close WROC

Footprint reductions. This is an annual measure.

- By September 30, 2002, reduce the footprint by removing and dispositioning all MLLW stored in the Mixed Waste Storage Facility (MWSF). At least 60% of the MLLW removed from MWSF must be shipped to an off-site disposal facility. A final payment of \$200K will be paid for completion of this activity.
- By September 30, 2003, remove all MLLW from the Portable Storage Units (PSUs). A final payment of \$200K will be paid for completion of this activity.
- By September 30, 2004, remove all the remaining MLLW from the WWSB. At least 60% of the MLLW removed from WWSB and previously removed from the PSUs must be shipped to an off-site disposal facility. A final payment of \$325K will be paid for completion of this activity.
- By September 30, 2003, accelerate moving all waste out of WROC with at least 60% of the waste removed being shipped to an off-site treatment/disposal facility. A final payment of \$150K will be paid for successful completion of this activity. (Stretch)
- By September 30, 2004, finish all WROC closure activities in Closure Plan. A final payment of \$200K will be paid for successful completion of this activity. (Stretch)

#### Expectation 2.2: Close WERF under RCRA in FY03. (Base and Stretch)

- Note: There are no FY02 WERF closure measures that will be fee bearing.
- RCRA Closure of WERF by September 27, 2003. A final payment of \$350K (Base) and \$200K (Stretch) will be paid for completion of this activity.

### Measure 3: Other Footprint Reduction Activities

#### Expectation 3.1 Complete all SITE-TANK-005 tank characterization at TAN by the end of FY03

- A final payment of \$150K will be paid for completion of this activity. (Stretch)

Expectation 3.2: By September 30, 2004, inactivate/deactivate the following facilities to an agreed upon level of S&M, consistent with the 2012 funding scenario. Reserved. (FY03: \$700K base, \$850K stretch; FY04: \$700K base, \$850K stretch)

- MTR
- CPP-603 Complex
- PBF-620
- CPP-601 Complex
- TAN

## SECTION 5 PERFORMANCE REQUIREMENTS

**PREVIOUS YEAR'S GATEWAY:** (Describe previous year's gateway (if applicable) that must be completed before fee can be paid under this performance measure. The requirements listed below are the gateway only requirements for this Performance Measure.)

None

**GENERAL REQUIREMENTS:** (Describe other performance required beyond those stated in measure or expectation such as cost constraints or requirements contained in the approved project plan.)

None

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**DEFINE COMPLETION:** (Specify performance elements and describe indicators of success [quality/progress]. Include baseline documentation/data against which completion documentation should be compared.) (Stretch goals must be documented by Baseline Change Proposals including documented and verified baselines which are approved by the CO.)

### Measure 1: Close TAN-607

#### FY04 Planning End State

The planning FY04 end state is to inactivate, deactivate, and D&D facilities at each site (Expectations 1.2 and 3.2) to a minimum level of necessary surveillance and maintenance. D&D and some deactivation/inactivation of facilities would still be remaining after FY04.

Expectation 1.1: The TAN-607 Hot Shop will be placed into "safe storage, cold standby" condition by September 30, 2003.

- Satisfactory progress towards the 2012 plan, consistent with funding.
- The fuel storage racks, structures, and other hardware currently in the TAN-607 basin will be left in the basin at turnover to deactivation.
- There is no need for a scan of the TAN-607 basin similar to that done for CPP-603 basin.

DEFINITION: TAN Hot Shop and associated facilities includes electrical system, boiler heat supported by TAN 609, and water system supported by TAN 610/2/3.

Expectation 1.2: TAN-607 complex deactivated to the agreed upon state for the end of FY04.

Satisfactory progress towards the 2012 plan, consistent with funding. Completed work that satisfies the stretch goal must represent completing additional work scope that actually achieves closure/partial closure of the TAN site sooner.

Expectation 1.3: Move the four casks at TAN-791 storage pad and two West Valley casks at INTEC to NTEC Dry Cask Storage Pad by September 30, 2004. (Two heavy casks are not included in this expectation.)

### Measure 1 and Expectation 3.2:

By June 30, 2002, provide for DOE approval, a draft FY03 BCP and planning basis through 2012 for the closure/partial closure of each site area addressed by these measures. This BCP will establish the agreed upon FY04 end state and will identify the funded work scope.

All Hazard Classifications and associated Safety Basis documentation related to 2012 activity defined in the DWPs are revised to lowest levels consistent with the agreed upon state of deactivation and associated surveillance and maintenance.

Within the closure plans, long-term stewardship scope should be identified consistent with the agreed upon state of deactivation and associated surveillance and maintenance in those plans.

### Measure 2: Close WERF/WROC

Expectation 2.1: Consolidate MLLW storage and close WROC

MLLW removal - Performance will be verified through Integrated Waste Tracking System records.

Stretch - All waste removed from the WROC area and performance will be verified through IWTS records,

Superstretch - Complete activities delineated in Idaho DEQ approved RCRA Closure Plan, closure activities with treatment units complete and the submission of a PE certification of closure. The facilities are RCRA clean and ready to be transitioned to infrastructure for S&M and eventual D&D.

Expectation 2.2: RCRA Close WERF in FY03 in accordance with schedule delineated in Idaho DEQ approved RCRA Closure Plan.

### Measure 3: Other Footprint Reduction Activities

Expectation 3.1: Stretch Complete all SITE-TANK-005 tank characterization at TAN

- Provide characterization data to IDEQ by September 30, 2003.

Expectation 3.2: By September 30, 2004, inactivate/deactivate the following facilities to an agreed upon level of S&M, consistent with the 2012 funding scenario. Satisfactory progress towards the 2012 plan consistent with funding.

Completed work that satisfies the stretch goal must represent completing additional work scope that actually achieves closure/partial closure of each site sooner.

- MTR
- CPP-603 Complex
- PBF-620
- CPP-601 Complex

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- TAN

**COMPLETE DOCUMENTS LIST:** *(List document(s) that should be submitted, data that should be available, actions to be taken by evaluator to determine actual performance to the requirements stated above.)*

Expectation 1.2: Delivery of TAN closure strategy schedule.

Expectation 2.2: Final certification to IDEQ indicating RCRA Closure is complete.

Expectation 3.2: Delivery of MTR canal, CPP-603 Complex, PBF-620, CPP-601 Complex and TAN closure planning basis (strategies and schedules).

**ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS AND REMEDY STATED:** *(List foreseeable impacts to performance, which are not covered under the Contract. If the assumption or condition proves false the remedy shall be in effect. If remedy is not possible the next step is renegotiation.)*

Expectations 1.1 and 1.2:

- The fuel storage racks, structures, and other hardware currently in the TAN-607 basin will be left in the basin at turnover to deactivation.

Assumptions for TAN-607

- Waste materials can be disposed at RWMC.
- Water in the basin will be removed and can be disposed of in an evaporation pond.
- Existing storage casks on TAN-791 pad will be suitable for transportation use from TAN to INTEC.
- The TAN-616 VCO RCRA Closure activities, including the TAN-607 sump, do not have to be completed in order to "inactivate/deactivate" the TAN-607 hot shop.

Expectation 2.1:

- This expectation does not include the MLLW stored in the Portable Storage Units (PSU's) in FY02 measure. On-site, DOE off-site, or commercial treatment capability and capacity will be available during the fiscal year to support the MLLW treatment and disposal goals.
- Progress for MLLW Storage Facility waste disposition is measured against the inventory that can be treated and disposed.
- RCRA Part B permit for Debris Treatment is received by 5/6/02.

Expectation 2.2:

- Commercial treatment facilities are available for treatment and disposal of MLLW and hazardous waste. Other waste streams (LLW, industrial) will be dispositioned at on-site disposal facilities.

Expectations 3.1 and 3.2:

Assumptions for MTR:

- Waste materials can be disposed at RWMC.
- Water will be evaporated or disposed of in the TRA evaporation pond.

Assumptions for CPP-603:

- No additional Generic Fuel Objects (GFOs) will be found during the rescanning of the CPP-603 basins and canal.
- Wastes materials can be disposed at RWMC.

Assumptions for PBF-620:

- Waste materials can be disposed at RWMC.

Assumptions for CPP-601 Complex

- Recommendations for decreasing or modifying S&M requirements will not occur until the CPP-601 SAR is complete in FY03.
- Inactive Sites and Operations will identify potential modifications to CPP-601 that will reduce S&M requirements. DOE will decide if funding should be committed to execute any modifications.

FY 2002-2004 PERFORMANCE BASED INCENTIVE

SECTION 8  
SIGNATURES



G. L. Lyle  
Contracting Officer Representative  
Assistant Manager  
Environmental Management

5/23/02  
Date



S. G. Stiger  
Vice President  
Environmental Management Programs

5-23-02  
Date