SECTION I – GENERAL INFORMATION

Performance Incentive Number: CBFO-PBI #7
Performance Period: 4/15/09 through - 09/30/12
Performance Incentive Short Title: American Recovery and Reinvestment Act.
Revision Number and Effective Date: Revision 2, effective 12/30/11

SECTION II – ACCOUNTING/PROJECT INFORMATION

Initial Budgeted Cost of Work Scheduled (BCWS) under this PM: Exemption 4

Maximum Available Incentive Fee Associated with this Measure: Exemption 4

CBFO Management Control Packages:

SECTION III – INCENTIVE INFORMATION

Incentive type:	Base ☒	Stretch ☐	Super Stretch ☐
Difficulty:	High ☐	Medium ☒	Low ☐
Duration:	Annual ☐	Multi-year ☒	
Fees Payment type:	Completion ☒	Progress ☐	Provisional ☐

SECTION IV - PERFORMANCE MEASURE

Description:

The Contractor was awarded work and funding consistent with the American Recovery and Reinvestment Act (ARRA) of 2009 effective 4/15/09. In accordance with the terms of Prime Contract modification A0148, the Contractor is to provide the personnel, material, supplies, and services to do all things necessary for, or incident to, providing its best efforts to perform Recovery Act work. The work the Contractor initiates for the ARRA is subject to approval by the Department of Energy and is expected to fulfill the following mission requirements:

Transuranic (TRU) Waste Accelerated Disposition projects that involve the accelerated disposition of legacy defense-generated TRU waste for the following targeted generator and interim storage sites including improvement of site infrastructure:

Large-size boxes and drums of legacy Contact Handled (CH) and Remote Handled (RH) TRU waste remaining at Savannah River Site (SRS)
RH TRU waste from Idaho National laboratory (INL)
CH and RH TRU waste from Area G at Los Alamos National Laboratory
CH and RH TRU waste from Oak Ridge National Laboratory
CH and RH TRU waste from Argonne National Laboratories
CH and RH TRU waste from Hanford
CH and RH TRU waste from other small quantity sites as appropriate.

This PBI represents a fee model in which earnings are at risk and the Contractor is paid when specific results are achieved during performance of Recovery Act work. All Recovery Act work should conclude by09/30/12. The Contractor acknowledges that some of the items in this PBI are not in the total control of the Contractor which imposes an added difficulty component due to the work necessary to be done at generator sites. Fees under this PBI will be earned as follows:

Waste Isolation Pilot Plant (WIPP) Site

1. South Access Road Completion
2. Evaporation Pond Project Completion.

Savannah River Site (SRS)

3. Central Characterization Project (CCP) Certification of Box Line at SRS.
    a. Obtain Environmental Protection Agency (EPA) approval for Box Line at SRS to allow for more efficient waste packaging and repackaging of waste into shippable containers.
        i. Characterize and certify SWB line at SRS.
        ii. First shipment of SWBs from SRS for disposal.
4. Complete first shipment of RH TRU waste produced at SRS.

a. First shipment of RH waste produced by SRS. Requirements to complete this metric include initial EPA baseline inspection and RH Certification.
    i. First shipment of RH TRU waste produced at SRS for disposal.

5. Complete disposition of Pad 1 waste at SRS.
    a. First shipment of waste currently stored on Pad 1 to WIPP.
    b. Certification and Disposition of the first 450 of the 900 drums currently stored on Pad 1.
    c. Deleted and Reserved.
6. Disposition of the volume/contents of 150 original large boxes (one quarter [1,075 cubic meters] of the original large box inventory volume at SRS [4,300 cubic meters]).
7. Deleted and Reserved.

Hanford

8. Hanford CCP Startup.
    a. Obtain initial certification for debris waste.
    b. Certify first 150 Standard Waste Boxes (SWBs).
    c. Deleted and Reserved.
9. Complete first shipment by CCP of CH waste from Hanford to WIPP for disposal.
10. Provide high energy non-destructive examination (NDE) capabilities for cost-effective characterization.

Los Alamos National Laboratory (LANL)

11. Provide additional visual examination (VE) operations to support LANL accelerated repackaging operations at multiple facilities (other than the Waste Characterization Reduction and Replacement Facility (WCRRF)).
12. CCP Certification of Box Line at LANL.
    a. Certify SWB line.
    b. First shipment of SWBs from LANL for disposal.
13. Provide high energy NDE capabilities for cost-effective characterization.

Argonne National Laboratory (ANL)

14. Complete disposal of the first waste from Building 205 hot cell at ANL.

Oak Ridge National Laboratory (ORNL)

15. Obtain certification for S4000 CH waste at ORNL (i.e. Nuclear Fuels Services [NFS] soils).
    a. Certification of the first container of S4000 CH waste from ORNL.
    b. Completion of the shipments of the first 250 drums of S4000 CH waste from ORNL.
16. Achieve feed rates to characterize at a rate that will produce three (3) RH shipments per week from ORNL to WIPP for five (5) consecutive weeks.

RH at Other Sites

17. Establish a CCP RH certification program at Bettis Atomic Power Laboratory (BAPL) and complete the first shipment of RH TRU waste from BAPL to WIPP.
18. Establish a CCP RH certification program at SNL and complete the first shipment of RH TRU waste from Sandia National Laboratory (SNL) to WIPP.

CCP Other

19. Each new Tier 1 approval by the EPA for CH & RH waste regardless of site.
    Note: Tier I submittals and approvals for additional RH waste streams will help to ensure WIPP throughput and a full pipeline to achieve peak capability at five RH shipments per week, which can only be achieved when the waste is coming from more than one site due to the varied deployment and limitation of mobile loading team (MLU) team resources and host site labor. Tier 1 approval of CH waste streams applies to approval of non-baselined summary category groups, approval of new equipment, and extended non-destructive assay (NDA) calibration ranges to allow for characterization and disposal of CH waste that cannot be certified for disposal using current approvals and equipment.

20. Deleted and Reserved.

Intersite Shipments

21. Intersite shipment of CH waste from small quantity site (SQS) to INL/AMWTP (Advanced Mixed Waste Treatment Project).
    a. Completion of the first shipment of available legacy CH waste from ANL to INL/AMWTP and the completion of the last shipment of legacy ANL CH waste from INL to WIPP. Exemption 4
    b. Completion of the first shipment of available legacy CH waste from Lawrence Berkeley National Laboratory (LBNL) to INL/AMWTP and the completion of the last shipment of legacy LBNL CH waste from INL to WIPP. Exemption 4
    c. Completion of the first shipment of available legacy CH waste from Lawrence Livermore National Laboratory (LLNL) to INL/AMWTP and the completion of the last shipment of legacy LLNL CH waste from INL to WIPP. Exemption 4
    d. Completion of the first shipment of available legacy CH waste from Nuclear Radiation Development (NRD) site to INL/AMWTP and the completion of the last shipment of legacy NRD CH waste from INL to WIPP. Exemption 4
    e. Completion of the first shipment of available legacy CH waste from SNL to INL/AMWTP and the completion of the last shipment of legacy SNL CH waste from SNL to WIPP. Exemption 4
    f. Deleted and Reserved.

Other NTP Initiatives:

22. Address Gas Generation Testing (GGT) issues to allow certification and shipment of a large population of CH TRU waste containers at INL.
    a. Implement a GGT program, as necessary, to complete testing to establish a statistically valid, bounding condition for remediated containers at INL.
    b. Consistent with the waste in 22a, develop methodology necessary to remediate containers that fail GGT.

Other WIPP Site Initiatives:

23. Emplace one canister of RH waste using the Horizontal Emplacement Machine (HEM) and Light Weight Facility Cask (LWFC) in full integration with each other.

24. Completion of the construction of Panel 5 isolation wall.

The following metrics shall be used to measure performance and determine fees earned by the Contractor under this Rating Plan element:

WIPP Site

Metric 1: The Contractor shall complete construction of the South Access Road.

Completion of the South Access Road to the WIPP Site will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 2: The Contractor shall complete the Evaporation Pond Project at the WIPP Site.

Completion of the Evaporation Pond Project at the WIPP Site will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

SRS

Metric 3 (a): The Contractor shall characterize and certify a standard waste box (SWB) line at SRS.

Completion of characterization and certification of an SWB line at SRS will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 3 (b): The Contractor shall complete the first shipment of SWBs from SRS for disposal.

Completion of disposal of the first shipment of SWBs from SRS for disposal will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 4: The Contractor shall complete the first shipment of RH TRU from waste produced at SRS for disposal.

Completion of disposal of the first shipment of RH TRU from waste produced at SRS will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 5 (a): The Contractor shall complete the first shipment of waste currently stored on Pad 1 to WIPP.

The first shipment of waste currently stored on Pad 1 to WIPP will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 5 (b): The Contractor shall complete the certification and disposition of the first 450 of the 900 drums currently stored on Pad 1 at SRS.

Completion of the certification and disposition of the first 450 of the 900 drums currently stored on Pad 1 at SRS will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 5 (c): Deleted and Reserved.

Metric 6: The Contractor shall disposition the volume/contents of 150 original boxes (one quarter of the large box inventory) at SRS.

Disposition of the contents of 150 original large boxes (one quarter [1,075 cubic meters] *of the total large box inventory* [4,300 cubic meters]) *at SRS will earn the Contractor* Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 7: Deleted and Reserved.

Hanford

Metric 8 (a): The Contractor shall obtain initial certification for debris waste at Hanford.

Initial certification of the debris waste at Hanford will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 8 (b): The Contractor shall obtain certification for the first 150 SWBs at Hanford.

Certification for the first 150 SWBs at Hanford will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 8 (c):
Deleted and Reserved.

Metric 9: The Contractor shall complete the first shipment by CCP of CH waste from Hanford to WIPP for disposal.

Shipment by CCP of the first CH waste from Hanford to WIPP will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 10: The Contractor shall obtain EPA approval of the Tier 1 certification for high energy NDE capability for cost-effective characterization.

EPA approval of the Tier 1 certification for high energy NDE capability will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

LANL
Metric 11: The Contractor shall provide mobile visual examination (VE) operations at any facility at LANL (other than the WCRRF.)

Provision of mobile VE operations at LANL at any facility other than WCRRF will earn the Contractor Exemption 4 *for each facility for a maximum of* Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 12 (a): The Contractor shall certify a SWB line at LANL.

Certification of a SWB line at LANL will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 12 (b): The Contractor shall complete the first shipment of SWBs from LANL for disposal.

Completion of the first shipment of SWBs from LANL for disposal will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 13: The Contractor shall obtain EPA approval of the Tier 1 certification for high energy NDE capability for cost-effective characterization at LANL.

EPA approval of the Tier 1 certification for high energy NDE capability at LANL will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

ANL
Metric 14: The Contractor shall complete disposal of the first waste from the Building 205 hot cell at ANL.

Completion of the disposal of the first waste from the Building 205 hot cell at ANL will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

ORNL
Metric 15 (a): The Contractor shall certify the first container of S4000 CH waste from ORNL.

Certification of the first container of S4000 CH waste from ORNL will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 15 (b): The Contractor shall complete shipments of the first 250 drums of S4000 CH waste from ORNL.

Completion of shipment for the first 250 drums of S4000 CH waste from ORNL will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 16: The Contractor shall achieve feed rates to characterize at a rate that will produce three RH shipments per week for ORNL to WIPP for five (5) consecutive weeks.

Achievement of feed rates to characterize at a rate that will produce three (3) RH shipments per week for ORNL to WIPP for five (5) consecutive weeks will earn the contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

RH at other Sites
Metric 17: The Contractor shall complete the first RH TRU shipment from BAPL to WIPP.

Completion of the first RH TRU shipment from BAPL to WIPP will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 18: The Contractor shall complete the first RH TRU shipment from SNL to WIPP.

Completion of the first RH TRU shipment from SNL to WIPP will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

CCP Other
Metric 19: The Contractor shall obtain Tier 1 approval from the EPA for CH and RH waste regardless of site. (See Note in section IV)

For each new Tier 1 approval from the EPA for CH and RH waste regardless of site, the contractor will earn Exemption 4 *It is estimated that 27 approvals will be achieved. Completion of 27 Tier 1 approvals for 27 waste streams (CH or RH)* Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 20: Deleted and Reserved.

Intersite Shipments
Metric 21: The Contractor shall complete intersite shipments of CH waste from the identified small quantity sites to the INL/AMWTP and complete the last shipment of legacy waste from INL to WIPP for the small quantity sites identified.

Completion of the first shipment of available legacy waste from each identified site to the INL/AMWTP will earn the contract Exemption 4 *Completing the last shipment of legacy waste from INL to WIPP for small quantity sites identified will earn the Contractor* Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Other NTP Initiatives
Metric 22 (a): The Contractor shall perform Gas Generation Testing (GGT) of a statistically representative group of organic sludge containers at INL to provide enough data to establish a Long Term Objective (LTO) for Flammable Gas Generation (FGGR) and Total Gas Generation Rates (TGGR) of remediated organic waste. Following completion of the required GGT, the Contractor shall establish a LTO that will allow containers of remediated ID-RF-S3114 waste from INL to be transported to WIPP without completing a ten-day cycle of GGT.

Completion of Metric 22 (a) will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 22 (b): The Contractor shall remediate/treat organic TRU waste containers that have failed GGT by exceeding the limit for Hydrogen Generation, and provide a path forward that allows for the use of an existing bounding LTO or the establishment of an additional LTO for this waste.

Completion of Metric 22 (b) will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Other WIPP Site Initiatives
Metric 23: The Contractor shall emplace one canister of RH waste using the Horizontal Emplacement Machine (HEM) and Lightweight Facility Cask (LWFC) in full integration together.

Completion of Metric 23 will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

Metric 24: The Contractor shall complete construction of Panel 5 isolation wall.

Completion of Metric 24 will earn the Contractor Exemption 4

The maximum amount of fee available to WTS under this metric is Exemption 4

SECTION V - PERFORMANCE REQUIREMENTS

PREVIOUS GATEWAY: ***Describe previous gateway (if applicable) that must be completed before fee can be paid under this performance measure.***

None

DEFINE COMPLETION: ***Specify Performance Elements and describe indicators of success (quality/progress). Include baseline documents/data against which completion documentation should be compared.***

Payment Metric 1: The Contractor will request payment after completion of South Access Road construction as evidenced by a Construction Acceptance Report signed by the WTS Construction Manager.

Payment Metric 2: The Contractor will request payment after completion of the Evaporation Pond Project as evidenced by a Construction Acceptance Report signed by the WTS Construction Manager.

Payment Metric 3 (a): The Contractor will request payment after characterization and certification of an SWB at SRS as evidenced by documentation from WDS showing direct loaded SRS SWBs have been certified.

Payment Metric 3 (b): The Contractor will request payment after the first shipment of SWBs from SRS has occurred, as evidenced by a report from WDS showing the shipment and emplacement of the SWBs.
Payment Metric 4: The Contractor will request payment after the first shipment of SRS RH is made, as evidenced by a report from WDS showing the shipment and emplacement of the waste.

Payment Metric 5 (a): WTS will request payment after the first shipment of waste stored on SRS pad 1 as evidenced by a report from WDS showing the shipment and emplacement of the waste, combined with a crosswalk from the AK Tracking Spreadsheet (AKTSS) showing the original Pad 1 containers and the subsequent daughter containers that the waste was packaged into if necessary.

Payment Metric 5 (b): WTS will request payment after the certification and disposition of the first 450 of the 900 drums currently stored on Pad 1 at SRS as evidenced by a combination of reports from WDS showing the containers have been certified for shipment, and a report from CCP NDA documenting that the containers have been dispositioned as LLW

(<100nCi/g). The drums will be documented on the AKTSS to show the original containers from PAD 1 and the follow on daughter containers that they may be re-packaged into.

Payment Metric 5 (c): Deleted and Reserved.

Payment Metric 6: WTS will request payment after disposition of the volume/contents of the 150 original large boxes (1,075 cubic meters), which is considered to be about one quarter of the original large box inventory at SRS (600 large boxes or 4,300 cubic meters). This will be documented by a report provided by SRS and approved by DOE-SRO documenting the cubic meters decremented from the original large box inventory.

Payment Metric 7: Deleted and Reserved.

Payment Metric 8 (a): WTS will request payment after obtaining initial certification for debris waste. This will be documented by showing the CBFO Certification letter to CCP documenting the approval and certification for S5000 CH waste at Hanford

Payment Metric 8 (b): WTS will request payment after certifying first 150 SWBs. This will be documented showing 150 SWBs from Hanford as certified in WDS.

Payment Metric 8 (c): Deleted and Reserved.

Payment Metric 9: WTS will request payment after the first shipment of CH waste from Hanford. This will be documented by a WDS report showing Hanford CH waste shipped from Hanford to WIPP.

Payment Metric 10: WTS will request payment after EPA granted approval of the Tier 1 certification at Hanford. This will be documented using the CBFO certification letter showing the high energy real-time radiography (RTR) unit as certified for CH characterization.

Payment Metric 11: WTS will request payment after providing for VE operations at any LANL facility other than WCRRF. The location will be documented in the CCP VE BDR.

Payment Metric 12 (a): WTS will request payment after certification of the SWB Line at LANL. This will be documented by showing a WDS report that has LANL direct loaded SWBs certified in WDS.

Payment Metric 12 (b): WTS will request payment after the first shipment of SWBs from LANL for disposal. This will be documented by a WDS report showing direct loaded LANL SWBs having been shipped and disposed at the WIPP.

Payment Metric 13: WTS will request payment after EPA granted approval of the Tier 1 certification at LANL. This will be documented using the CBFO certification letter showing the high energy RTR unit as certified for CH characterization.

Payment Metric 14: WTS will request payment after disposal of the first waste from Building 205 hot cell at ANL. This will be documented by a WDS report showing waste from this waste stream has been disposed of at the WIPP.

Payment Metric 15 (a): WTS will request payment after certification of the first container of S4000 CH waste from ORNL. This will be documented by a WDS report showing waste from an ORNL S4000 waste stream being certified in WDS.

Payment Metric 15 (b): WTS will request payment after completion of the shipments of the first 250 drums of S4000 CH waste from ORNL. This will be documented by a WDS report showing 250 S4000 ORNL containers being disposed of at the WIPP.

Payment Metric 16: WTS will request payment after the achievement of feed rates to characterize at a rate that will produce 3 RH shipments per week from ORNL to WIPP for five (5) consecutive weeks. This will be documented by the CCP weekly feed-rate reports.

Payment Metric 17: WTS will request payment after the first RH TRU shipment from BAPL to WIPP. This will be

documented by a WDS report showing BAPL RH waste having been disposed of at the WIPP.

Payment Metric 18: WTS will request payment after the first RH TRU shipment from SNL to WIPP. This will be documented by a WDS report showing SNL RH waste having been disposed of at the WIPP.

Payment Metric 19: WTS will request payment after each new Tier I approval from the EPA for CH & RH waste regardless of site. This will be documented by the CBFO certification letter issued following EPA Tier 1 approval. (See Note in section IV)

Payment Metric 20:
Deleted and Reserved.

Payment Metric 21 (a): WTS will request payment after completion of the first shipment of available legacy CH waste from ANL to INL/AMWTP and the completion of the last shipment of legacy ANL CH waste from INL to WIPP. This will be documented by a report from WDS showing the shipment of ANL CH waste to INL and the emplacement of ANL CH waste at the WIPP.

Payment Metric 21 (b): WTS will request payment after completion of first shipment of available legacy CH waste from LBNL to INL/AMWTP and the completion of the last shipment of legacy LBNL CH waste from INL to WIPP. This will be documented by reports from WDS showing the shipment of LBNL CH waste to INL and the emplacement of LBNL CH waste at the WIPP.

Payment Metric 21 (c): WTS will request payment after completion of first shipment of available legacy CH waste from LLNL to INL/AMWTP and the completion of the last shipment of legacy LLNL CH waste from INL to WIPP. This will be documented by reports from WDS showing the shipment of LLNL CH waste to INL and the emplacement of LLNL CH waste at the WIPP.

Payment Metric 21 (d): WTS will request payment after completion of first shipment of available legacy CH waste from NRD to INL/AMWTP and the completion of the last shipment of legacy NRD CH waste from INL to WIPP. This will be documented by reports from WDS showing the shipment of NRD CH waste to INL and the emplacement of NRD CH waste at the WIPP.

Payment Metric 21 (e): WTS will request payment after completion of first shipment of available legacy CH waste from SNL to INL/AMWTP and the completion of the last shipment of legacy SNL CH waste from INL to WIPP. This will be documented by reports from WDS showing the shipment of SNL CH waste to INL and the emplacement of SNL CH waste at the WIPP.

Payment Metric 21 (f): Deleted and Reserved.

Payment Metric 22 (a): WTS will request payment after a completed LTO generated from CCP-TP-138, CCP Execution of Long-Term Objective (LTO) for the Unified Flammable Gas Test Procedure. This will be documented by CCP-TP-138 showing the results of the LTO.

Payment Metric 22 (b): WTS will request payment after documentation of a different LTO established for the waste identified in Metric 22(a) or documentation that demonstrates that the LTO established for Metric 22(a) is a bounding condition for the waste that had originally failed GGT due to excessive hydrogen release.

Payment Metric 23: WTS will request payment after completion of emplacement of one canister of RH waste using the Horizontal Emplacement Machine (HEM) and Light Weight Facility Cask (LWFC) [both pieces of equipment procured with ARRA funding] in full integration together. This will be documented by a WDS report showing the emplacement date and location of the RH canister and applicable equipment logs and data sheets showing the use of the HEM and LWFC for emplacement of the RH canister.

Payment Metric 24: WTS will request payment after the physical completion of the Panel 5 isolation wall as determined jointly by the WTS Project Manager and the CBFO counterpart. Completion of construction will be documented by the PE

Certification package for the construction of the isolation wall.

DEFINITIONS:

AKTSS: Acceptable Knowledge Tracking System Spreadsheet

CBFO: Carlsbad Field Office

CH – Contact-Handled: Packaged TRU waste with an external surface dose rate that does not exceed 200 mrem per hour.

Clean up or Cleanup: A site is cleaned up when no legacy defense TRU waste remains on the site. Wastes that fit this definition include: CH TRU, RH TRU, CH TRU mixed, RH TRU mixed, and other waste managed as TRU waste.

Cubic Meters: As used herein cubic meters refer to the TRU waste container volume. TRU waste container volume means the volume in cubic meters of the container. For example, the volume of one 55-gallon drum is 0.21 m^3, and the volume of one standard waste box is 1.88 m^3, etc.

RH – Remote-Handled: Packaged TRU waste with an external surface dose rate that exceeds 200 mrem per hour but is less than 1,000 rem per hour.

Small Quantity Sites (SQS): The generator or storage sites whose quantities of TRU waste are less than those at the large quantity sites, namely Idaho National Laboratory, Hanford, Savannah River, Oak Ridge, and Los Alamos National Laboratory.

TRU: Transuranic Waste. Radioactive waste containing isotopes with an atomic number greater than 92, concentrations greater than 100 nanocuries per gram, and a half-life of greater than 20 years.

Waste Managed as TRU: Waste, suspected of being defense TRU waste, being actively managed by the generator as TRU waste.

WIPP: Waste Isolation Pilot Plant

WTS: Washington TRU Solutions, the Contractor

WDS: Waste Data System. This is a database that constitutes the WIPP Operating Record for compliance purposes, documenting and archiving all of the TRU waste that was characterized, certified, transported, and disposed at WIPP, including generator site origins, characterization data, shipment and WIPP receipt dates, disposal dates, and final disposal locations in the WIPP repository.

TECHNICAL BOUNDARY CONDITIONS: (Fundamental technical assumptions that must be maintained in order to accomplish the work scope associated with this Performance Measure.)

GENERAL REQUIREMENTS:

None

COMPLETION DOCUMENTS LIST: ***(In addition to the Completion Report, the 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.***

Note: WTS will provide documentation to the Contracting Officer as follows:

Metric 1: (Completion) Fee shall be payable upon submittal of a Construction Acceptance Report for the South Access Road to WIPP signed by the WTS Construction Manager. CBFO will verify the invoice by review of the Construction Acceptance Report.

Metric 2: (Completion) Fee shall be payable upon submittal of a Construction Acceptance Report for the Evaporation Pond Project signed by the WTS Construction Manager. CBFO will verify the invoice by review of the Construction Acceptance Report.

Metric 3 (a): (Completion) Fee shall be payable upon submittal documentation from the Waste Data System (WDS) showing direct loaded SRS SWBs have been certified. CBFO will verify the request submitted by the Contractor from information in the WDS database.

Metric 3 (b): (Completion) Fee shall be payable upon submittal of a report from WDS showing the shipment and emplacement of the SWBs. CBFO will verify the request submitted by the Contractor from information in the WDS database.

Metric 4: (Completion) Fee shall be payable upon submittal of a report from WDS showing the shipment and emplacement of the first shipment of SRS RH waste. CBFO will verify the request submitted by the Contractor from information in the WDS database.

Metric 5 (a): (Completion) Fee shall be payable upon submittal of a report from WDS showing the shipment and emplacement of the waste, combined with a crosswalk from the AK Tracking Spreadsheet (AKTSS) showing the original Pad 1 containers and the subsequent daughter containers that the waste was packaged into if necessary. CBFO will verify the request submitted by the Contractor from information in the WDS database.

Metric 5 (b): (Completion) Fee shall be payable upon submittal of a combination of reports from WWIS showing the containers have been certified for shipment, and a report from CCP NDA documenting that the containers have been dispositioned as LLW (<100nCi/g). The drums will be documented on the Acceptable Knowledge Tracking System Spreadsheet (AKTSS) to show the original containers from PAD 1 and the follow on daughter containers that they may be re-packaged into a report after the certification and disposition of the first 450 of the 900 drums currently stored on Pad 1 at SRS. CBFO will verify the request submitted by the Contractor from the WDS and AKTSS.

Metric 5 (c): Deleted and Reserved.

Metric 6: (Completion) Fee shall be payable upon submittal of a report provided by SRS and approved by DOE-SRO documenting at least 1,075 cubic meters (150 large boxes) decremented from the original large box inventory (600 large boxes or 4,300 cubic meters)..

Metric 7: Deleted and Reserved.

Metric 8 (a): (Completion) Fee shall be payable upon submittal of documentation that demonstrates CBFO approval and certification to CCP for S5000 CH waste at Hanford. CBFO will verify the request submitted by the Contractor by review of their letter.

Metric 8 (b): (Completion) Fee shall be payable upon submittal of documentation from WDS that the first 150 SWBs from Hanford have been certified. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 8 (c): Deleted and Reserved.

Metric 9: (Completion) Fee shall be payable upon submittal of documentation from WDS that the first shipment of CH waste was shipped from Hanford to WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 10: (Completion) Fee shall be payable upon submittal of a CBFO certification letter showing the high energy RTR unit as certified for CH characterization. CBFO will verify the request submitted by review of their letter.

Metric 11: (Completion) Fee shall be payable upon submittal of documentation from the CCP VE Batch Data Report (BDR) for each facility. CBFO will verify the request submitted by the Contractor from the information provided in the VE BDR.

Metric 12 (a): (Completion) Fee shall be payable upon submittal of a WDS report that LANL has direct loaded SWBs certified in WDS. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 12 (b): (Completion) Fee shall be payable upon submittal of a WDS report showing direct loaded LANL SWBs have been shipped and disposed of at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 13: (Completion) Fee shall be payable upon submittal of a CBFO certification letter showing the high energy RTR unit as certified for CH characterization. CBFO will verify the request submitted by the Contractor by review of their letter.

Metric 14: (Completion) Fee shall be payable upon submittal of a WDS report showing waste from this waste stream has been disposed of at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 15 (a): (Completion) Fee shall be payable upon submittal of a WDS report showing a waste stream from ORNL S4000 CH waste as being certified. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 15 (b): (Completion) Fee shall be payable upon submittal of a WDS report showing 250 S4000 ORNL containers being disposed of at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 16: (Completion) Fee shall be payable upon submittal of documentation in CCP weekly feedrate reports that feed rates to characterize have been achieved that will produce three (3) RH shipments per week from ORNL to WIPP for five (5) consecutive weeks. CBFO will verify the request submitted by the Contractor from the information provided in the CCP weekly feedrate reports.

Metric 17: (Completion) Fee shall be payable upon submittal of documentation in a WDS report showing BAPL RH waste has been disposed of at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 18: (Completion) Fee shall be payable upon submittal of documentation in a WDS report showing SNL RH waste has been disposed of at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from the WDS database.

Metric 19: (Completion) Fee shall be payable upon submittal of a CBFO certification letter issued following EPA Tier 1 approval for each waste stream. CBFO will verify the request submitted by the Contractor from the information provided by review of their letter. (See Note in section IV)

Metric 20:

Deleted and Reserved.

Metric 21 (a): (Completion) Fee shall be payable upon submittal of reports from WDS showing the shipment of ANL CH waste to INL and the emplacement of ANL CH waste at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from WDS.

Metric 21 (b): (Completion) Fee shall be payable upon submittal of reports from WDS showing the shipment of LBNL CH waste to INL and the emplacement of LBNL CH waste at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from WDS.

Metric 21 (c): (Completion) Fee shall be payable upon submittal of reports from WDS showing the shipment of LLNL CH waste to INL and the emplacement of LLNL CH waste at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from WDS.

Metric 21 (d): (Completion) Fee shall be payable upon submittal of reports from WDS showing the shipment of NRD CH waste to INL and the emplacement of NRD CH waste at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from WDS.

Metric 21 (e): (Completion) Fee shall be payable upon submittal of reports from WDS showing the shipment of SNL CH waste to INL and the emplacement of SNL CH waste at the WIPP. CBFO will verify the request submitted by the Contractor from the information provided from WDS.

Metric 21 (f): **Deleted and Reserved.**

Metric 22 (a): (Completion) WTS will request payment upon a completed LTO generated from CCP TP-138, CCP Execution of Long-Term Objective for the Unified Flammable Gas Test Procedure. CBFO will verify the request submitted by the Contractor by review of the LTO report.

Metric 22 (b): (Completion) WTS will request payment after documentation of a different LTO established for the waste identified in Metric 22(a) or documentation that demonstrates that the LTO established for Metric 22(a) is a bounding condition for the waste that had originally failed GGT due to excessive hydrogen release. CBFO will verify the request submitted by the Contractor by review of the report for the different LTO or by documentation that supports the bounding condition.

Metric 23: (Completion) WTS will request payment after submittal of documentation providing evidence of the emplacement of one canister of RH waste using the Horizontal Emplacement Machine (HEM) and Light Weight Facility Cask (LWFC) in full integration together. CBFO will verify the request submitted by the Contractor from the information provided.

Metric 24: (Completion) WTS will request payment after submittal of the PE certification package showing the physical completion of the construction of the Panel 5 isolation wall as determined jointly by the WTS Project Manager and CBFO counterpart. Completion of construction will be defined in the PE Certification package that the isolation wall is in place and meets required specifications for its intended use. CBFO will verify the request submitted by the Contractor from the information in the PE Certification package provided.

SECTION VI - EARNINGS SCHEDULE

List percent of PM fee available for completion of each Element, and the schedule by which the fee may be earned. (Schedule identifies point(s) at which fee may be earned - does not define completion.)

The maximum fee earnings for each metric in this PBI are included in the metric description in the previous Section IV – Performance Measure.

The fee included in the fee pool associated with this PBI will be earned by -9/30/2012.

This PBI will be reviewed by DOE-CBFO as appropriate to determine the metrics still represent the highest level of priority for CBFO and the metrics applicability for continuation.