CWI FORM
PROC-1811b
02/05

RELEASE NO. 1 UNDER BLANKET MASTER AGREEMENT NO. 00500910

CH2M-WG IDAHO, LLC (CWI)

2525 FREMONT AVENUE, P.O. BOX 1625, IDAHO FALLS, ID 83415-3112
OPERATING UNDER U. S. GOVERNMENT CONTRACT NO. DE-AC07-05ID14516

To: Bechtel BWXT Idaho, LLC (BBWI)
765 Lindsay Blvd.
Idaho Falls, ID 83402

Scott S. Crawford
Phone: (208) 557-2684
Fax: (208) 557-7040

Effective Date: 07/01/2005

Completion Date: 09/30/2005

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1. **STATEMENT OF WORK**

   1.1 Statement of Work No. 2751 entitled "CWI TRU Waste Characterization, Certification, and Transportation Services", Rev. 1, dated July 6, 2005. This Release is a continuation of work that was assigned under Blanket Purchase Order No. CWI-040, Task Baseline Agreement No. CWI-1.

   1.2 The BBWI Technical Point of Contact has been changed from James H. Pletscher to Robert Piper.

2. **COST CEILING**

   2.1 The cost ceiling of this Release is $719,000.00 which includes $134,000.00 for SOW 2751, Rev. 0, dated May 1, 2005, and $585,000.00 for SOW 2751, Rev. 1, dated July 6, 2005.

3. **COMPLETION DATE**

   3.1 This Release shall be in effect through September 30, 2005.

Procurement Agent: Mike Barnes	Telephone: (208) 526-2768	Ceiling Cost: $719,000.00
E-mail: barnjm@inel.gov	Fax: (208) 526-7184	Cash Terms: Net 10 Days

Billing Address:
Accounts Payable
CWI
P. O. Box 1625
Idaho Falls, ID 83415-3117

Signed: [signature] 7/20/05
CH2M-WG IDAHO, LLC Date

Title: MANAGER SUBCONTRACTS

Signed: [signature] 7/21/05
(BBWI's Official) Date

Title: MANAGER PRIME CONTRACTS & SUPPLY CHAIN

Return one signed copy of this Release to Mike Barnes

Document ID: SOW-2751
Revision ID: 1
Effective Date: July 6, 2005

Statement of Work

Statement of Work for CWI TRU Waste Characterization, Certification, and Transportation Services

Idaho Cleanup Project

The Idaho Cleanup Project is operated for the U.S. Department of Energy by CH2M • WG Idaho, LLC

STATEMENT OF WORK FOR CWI TRU WASTE CHARACTERIZATION, CERTIFICATION, AND TRANSPORTATION SERVICES

SOW-2751

Alan D. Rodgers, CWI RWMC Area Manager	7/6/05 Date
Gerry A. O'Leary, CWI TRU Waste Projects Director	07/01/05 Date
Thomas L. Clements, CWI Sr. Project Manager	06/30/05 Date
Robert W. Hendrickson, CWI RWMC Quality Assurance	07/06/05 Date

1. SCOPE

1.1 Introduction

The Central Characterization Project (CCP) of Washington TRU Solutions, LLC, (WTS) will develop and provide a stand-alone program to characterize and certify buried Transuranic (TRU) waste from the Radioactive Waste Management Complex (RWMC) at Idaho National Laboratory (INL) for CH2M-WG Idaho, LLC (CWI).

WTS shall perform TRU waste characterization and certification activities, including area-based sampling of homogeneous solidified and soil/gravel waste, as required, Acceptable Knowledge (AK) documentation, Visual Examination (VE), Nondestructive Examination (NDE), Nondestructive Radioassay (NDA), Headspace Gas (HSG) sampling and analysis, SUMMA sampling, Gas Generation Testing (GGT), data generation level review, project data level verification and validation, and waste and transportation certification. Shipping services will also be provided.

These services shall be performed in accordance with certified CCP procedures that comply with the Carlsbad, New Mexico Waste Isolation Pilot Plant (WIPP) permit and other regulatory requirements, including the WIPP Waste Acceptance Criteria (WAC), Contact-Handled Transuranic Waste Authorized Methods for Payload Control (CH-TRAMPAC) and Waste Analysis Plan (WAP). All processes and systems comprising the services delivered during the characterization of TRU waste will be Department of Energy (DOE) and Carlsbad Field Office (CBFO) certified. TRU waste at INL will be characterized and certified by WTS as meeting the WIPP WAP, CH-TRAMPAC, and the WAC requirements.

Work included in this Statement of Work (SOW) will be conducted in accordance with CCP-PO-024, *CCP/INL Interface Document*. The Interface Document establishes specific relationships of CCP to INL for execution of the support outlined in the SOW, and describes roles and responsibilities for assuring requirements for safety (including Radiological Control, Emergency Management, Industrial Safety, and Industrial Hygiene), security, safety authorization basis, regulatory authorization basis, and other areas are met during conduct of CCP activities.

1.2 Work Included

- WTS shall provide a program for the characterization and certification of contact-handled homogeneous solidified, debris, and soil/gravel waste per WIPP requirements.

- WTS shall provide materials and services meeting the requirements of this SOW, including project mobilization, startup testing, CBFO certification for operations at the RWMC, management assessment, and other functions related to characterization, certification, and transportation of waste for shipment to WIPP.

- WTS shall provide equipment and qualified personnel, including the use of CWI personnel qualified by CCP, to perform characterization activities necessary to certify TRU waste drums for transportation to WIPP for disposal. This includes equipment and qualified personnel to perform services associated with NDE, NDA, VE, HSG and GGT, as applicable.

- All supplier equipment brought on-site shall be subject to an initial safety inspection/walk down. Readiness reviews and corrective actions, as necessary, must be completed prior to commencing waste characterization operations.

- WTS shall complete the required INL CWI site-specific training prior to performing work. Further, WTS shall provide a list of CCP required training for CWI supplied support that must meet CCP requirements. WTS shall provide necessary CCP required training and maintain records of training provided to CWI personnel, as well as CCP personnel.

- WTS shall establish and maintain a document control system that includes quality procedures and operating procedures for equipment that will ensure the safe, compliant, and efficient delivery of services.

- WTS shall establish and maintain a records management system for all electronic and/or hard copy QA records generated in the performance of this scope of work.

- WTS shall submit a copy of, or provide access to, the CCP Waste Certification Plan and a Quality Assurance Project Plan that are consistent with the WIPP QAPD, the WAP, and the WAC.

- WTS shall submit an Interface Document for CWI approval that establishes the interfaces, including responsibilities for the implementation of WIPP requirements between WTS and CWI for the provision of (TRU) waste characterization, certification and transportation services.

- WTS shall support the CBFO audit of its TRU Waste Characterization program. WTS will resolve any Corrective Action Reports (CARs) resulting from the CBFO audit and receive notification from CBFO that its characterization program has been certified.

- WTS shall provide CWI with the results of all DOE/CBFO/NMED/EPA or other regulatory audit or compliance/enforcement actions that may impact its ability to characterize and transport TRU waste under this SOW.

- WTS shall provide a team of AK specialists to assemble an AK summary report and to perform evaluations of AK throughout the characterization process, in accordance with CCP procedures.

- WTS shall procure all quality affecting equipment, materials and services required for this scope including, but not limited to drums, drum liners, and filter vents. Vendors used to supply quality-affecting items or services to WTS must be on the WTS Qualified Suppliers List in accordance with WTS/CCP procurement procedures.

- WTS shall prepare and validate batch data packages in accordance with the WIPP WAP and WAC. WTS shall submit the final data package to WIPP via WIPP Waste Information System.

- WTS shall certify waste for shipment to WIPP and perform shipping and transportation services. WTS shall complete the required documentation for shipment to and disposal at WIPP. WTS shall provide CWI a copy of the draft DOT required information. CWI is the shipper of record and is responsible for completing and signing the DOT required paperwork.

1.3 Work Excluded

- Container management following waste packaging (forklift waste handling, crane operations)

- Engineering design services

- Construction services

- Support services provided by CWI (ES&H, radiological control, facility operations, authorization basis, and emergency preparedness

- Onsite analytical services certified by DOE-Carlsbad Field Office will be funded by CWI.

2. APPLICABLE CODES, PROCEDURES, AND REFERENCES

- WTS shall complete the services required by this SOW in accordance with the following Carlsbad, New Mexico Waste Isolation Pilot Plant (WIPP) requirements:

- *Hazardous Waste Facility Permit,* Waste Isolation Pilot Plant, EPA No. NM4890139088, Attachment B, Waste Analysis Plan (WIPP-WAP).

- *Carlsbad Area Office Quality Assurance Program Document,* CAO-94-10 12, Carlsbad, New Mexico, Carlsbad Area Office, U.S. Department of Energy.

- *TRUPACT-II Safety Analysis Report*, Revision 20, May 2004, Nuclear Regulatory Commission.
- *CH-TRAMPAC Document*, Revision 1, July 2004, Nuclear Regulatory Commission.
- DOE/CBFO-01-1005, *Performance Demonstration Program Plan for Nondestructive Assay of Drummed Wastes for the TRU Waste Characterization Program.*
- DOE/CAO-95-1076, *Performance Demonstration Program Plan for Analysis of Simulated Headspace Gases.*
- DOE/WIPP-02-3122, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant (CH- WA C).*

3. TECHNICAL AND FUNCTIONAL REQUIREMENTS

- WTS will provide scheduling and cost data as requested by CWI.
- The period of performance for the Statement of Work is July 1, 2005 through September 30, 2005, with options to renew on an annual basis.

4. ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY ASSURANCE REQUIREMENTS

4.1 Environmental

- As required for access to INL/RWMC.
- DOE Order 5480.4, Environmental Protection, Safety and Health Protection Standards

4.2 Safety and Health

- As required for access to INL/RWMC.
- Occupational Safety and Health Act
- 10CFR835, Occupational Radiation Protection
- DOE Order 435.1, Radioactive Waste Management
- Price-Anderson Amendments Act (PAAA)

4.3 Quality Assurance/Control

See Section 2 for requirements for characterization, certification and transportation of TRU waste.

- WTS shall develop and implement a Quality Assurance Project Plan (QAPjP) in accordance with the Hazardous Waste Facility Permit issued to Waste Isolation Pilot Plant (WIPP-WAP), EPA No. NM4890139088.

- WTS shall develop a Waste Certification Plan to establish the criteria for WTS' activities supporting certification of TRU waste as compliant with the WIPP WAC. The Waste Certification Plan will describe the activities and specific documents that implement and verify compliance with WIPP-WAC requirements. WTS shall develop procedures that implement WTS QAPjP and Waste Certification Plan.

- WTS shall develop a Nonconformance reporting program and procedures for the reporting of nonconforming items that is responsive to the DOE Carlsbad Area Office Quality Assurance Program Document, CAO-94-1012. WTS personnel are responsible for identifying and reporting nonconforming items, conditions, data, and activities observed while providing waste characterization services in accordance with this Statement of Work. The nonconforming items, conditions, data, and activities will be identified and reported in accordance with WTS procedures.

- WTS shall disposition each drum as WIPP certifiable or non-certifiable upon completion of each characterization process. If the drum is deemed non-certifiable during or upon completion of the characterization process, a nonconformance report (NCR) will be issued in accordance with WTS' Nonconformance Item Reporting and Control program. A copy of the closed NCR(s) for each non-certifiable drum will be provided to the CWI Subcontract Technical Representative to allow proper disposition of the drum by CWI.

5. RESPONSIBILITIES

- CCP-PO-024 defines roles and responsibilities for WTS and CWI.

- The STR on this contract is Mr. Thomas L. Clements, 208-526-0664, or designee.

6. DELIVERABLE SCHEDULE

Scope to be performed (July 1, 2005 through September 30, 2005):

- Provide support for visual examination (VE) and sampling of retrieved buried TRU-contaminated waste including training and oversight.
- Maintain the Pit 4 AK Summary Report based on results obtained during characterization of retrieved waste from Pit 4.
- Complete new AK Summary Report for next retrieval area defined as Pit 4/Pit 6.
- Perform VE at levels up to 30 drums per day (rolling 7-12's)
- Provide Project Office support sufficient to review and validate up to 30 drums per day of data generated by VE, and associated solids sampling and analysis.

7. SUBMITTALS

- CCP procedures defined in CCP-PO-024.
- Non-Conformance Reports and Corrective Action Reports, as requested
- Waste Stream Profile Packages
- Documented evidence of participating in and passing the CBFO Performance Demonstration Plan for each operating system for NDA and HSG

8. ACCEPTANCE

- NMED and EPA approval of the CBFO Certification Audit
- Concurrence with Waste Stream Profile Packages

9. APPENDICES

None

10. ATTACHMENTS

None

CWI FORM
PR 1812b
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AMENDMENT NO. 6 TO RELEASE NO. 1
TO BLANKET MASTER AGREEMENT NO. 00500910
CH2M-WG Idaho, LLC (CWI)

1580 SAWTELLE STREET, P.O. BOX 1625, IDAHO FALLS, ID 83415-2503
OPERATING UNDER U. S. GOVERNMENT CONTRACT DE-AC07-05ID14516

To: Bechtel BWXT Idaho, LLC (BBWI)
850 Energy Drive, Suite 200
Idaho Falls, ID 83401-1502

Effective Date: 07/29/2008

Jim Simonds
Phone: (208) 557-0973
Fax No.: (208) 557-0963

This Amendment No. 6 to Release No. 1 to Blanket Master Agreement No. 00500910 is issued to effect the following:

1. Additional funding for FY08 is being provided. The ceiling price of this Release is increased by $7,000,000.00 from $8,026,843.00 to $15,026,843.00.

Pricing Summary:

Price of this Release	$ 719,000.00
Price of Amendment No. 1	$ 2,307,843.00
Price of Amendment No. 4	$ 5,000.000.00
Price of this Amendment No. 6	$ 7,000.000.00
Revised Price of this Release	$15,026,843.00

Except to the extent changed by this Amendment No. 6, and Amendment No's. 1 - 5, or to the extent rendered inconsistent herewith, all of the terms and provisions of this Blanket Master Agreement remain unchanged and continue in full force and effect.

Subcontract Administrator: Jeff Quick

Telephone: (208) 533-0432 Fax: (208) 526-6510 E-mail: jeffrey.quick@icp.doe.gov

Billing Address:

Accounts Payable
CWI
P. O. Box 1625
Idaho Falls, ID 83415 -2502

Signed: _____ 7-29-08.
CH2M-WG Idaho, LLC — Date

Title: Director, Subcontracts & Procurement

Signed: _____ 7-30-08
(Subcontractor's Official) — Date

Title: _____

Return one signed copy of this Amendment to Jeff Quick at CWI .