

|                                                                                                                                                                                                  |  |                                    |  |                                                                                                                                                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT                                                                                                                                               |  | 1. CONTRACT ID CODE                |  | PAGE OF PAGES<br>1 2                                                                                                                                                                                            |  |
| 2. AMENDMENT/MODIFICATION NO.<br>0287                                                                                                                                                            |  | 3. EFFECTIVE DATE<br>See Block 16C |  | 4. REQUISITION/PURCHASE REQ. NO.                                                                                                                                                                                |  |
| 6. ISSUED BY CODE<br>Idaho Operations<br>U.S. Department of Energy<br>Idaho Operations<br>1955 Fremont Avenue<br>Idaho Falls ID 83415                                                            |  | 00701                              |  | 5. PROJECT NO. (If applicable)<br>7. ADMINISTERED BY (If other than Item 6) CODE<br>Idaho Operations<br>U.S. Department of Energy<br>Idaho Operations<br>1955 Fremont Avenue<br>MS 1221<br>Idaho Falls ID 83415 |  |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)<br>CH2M WG IDAHO LLC<br>Attn: Jeffrey A. Kerridge<br>151 NORTH RIDGE AVENUE<br>SUITE 150<br>IDAHO FALLS ID 834024039 |  | (x)                                |  | 9A. AMENDMENT OF SOLICITATION NO.                                                                                                                                                                               |  |
| CODE 166527569                                                                                                                                                                                   |  | FACILITY CODE                      |  | 9B. DATED (SEE ITEM 11)<br>10A. MODIFICATION OF CONTRACT/ORDER NO.<br>DE-AC07-05ID14516<br>10B. DATED (SEE ITEM 13)<br>03/23/2005                                                                               |  |

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.  
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

|           |                                                                                                                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.                                                                      |
|           | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
|           | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:                                                                                                                                              |
| X         | D. OTHER (Specify type of modification and authority)<br>Clause I.81 52.243-2 Changes - Cost Reimbursement (AUG 1987) and Alt I (APR 1984)                                                                            |

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENOMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Tax ID Number: 05-0607601

DUNS Number: 166527569

Refer to the continuation pages incorporated as part of this modification.

Delivery Location Code: 00701

Idaho Operations

U.S. Department of Energy

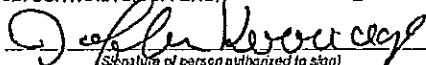

Idaho Operations

1955 Fremont Avenue

Idaho Falls ID 83415 US

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 8 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

|                                                                                                                                                           |                              |                                                                                                                                                             |                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print)<br>Jeffrey Kerridge CFO                                                                                     |                              | 18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)<br>Maria M. Mitchell-Williams                                                                    |                              |
| 15B. CONTRACTOR/REFEROR<br><br>(Signature of person authorized to sign) | 15C. DATE SIGNED<br>10/29/14 | 18B. UNITED STATES OF AMERICA<br><br>(Signature of Contracting Officer) | 18C. DATE SIGNED<br>10/29/14 |

|                           |                                                                     |      |    |
|---------------------------|---------------------------------------------------------------------|------|----|
| <b>CONTINUATION SHEET</b> | REFERENCE NO. OF DOCUMENT BEING CONTINUED<br>DE-AC07-05ID14516/0287 | PAGE | OF |
|                           |                                                                     | 2    | 2  |

NAME OF OFFEROR OR CONTRACTOR  
CH2M WG IDAHO LLC

| ITEM NO.<br>(A) | SUPPLIES/SERVICES<br>(B)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QUANTITY<br>(C) | UNIT<br>(D) | UNIT PRICE<br>(E) | AMOUNT<br>(F)  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|-------------------|----------------|
| 00003           | <p>Payment:</p> <p>OR for Idaho</p> <p>U.S. Department of Energy</p> <p>Oak Ridge Financial Service Center</p> <p>P.O. Box 4368</p> <p>Oak Ridge TN 37831</p> <p>FOB: Destination</p> <p>Period of Performance: 03/23/2005 to 09/30/2015</p> <p>Change Item 00003 to read as follows (amount shown is the total amount):</p> <p>Target Cost (CLINS A-C)</p> <p>Line item value is: \$760,214,216.00</p> <p>Incrementally Funded Amount: \$519,354,023.68</p> <p>ICP2 - Extention Target Cost (CLINS A-C): This modification increases the Target Cost by \$5,648,579 and Target Fee by \$415,645. The revised target value is \$760,214,216. This includes the Target Cost of \$606,314,024, a Target Fee of \$41,400,192, and pension funding of \$112,500,000.</p> <p>Refer to the continuation pages for details.</p> |                 |             |                   | 760,214,216.00 |

In accordance with Section I.81 52.243-2 Changes—Cost Reimbursement Alt I, this modification provides a Target Cost and Target Fee adjustment to CLIN C – Balance of ICP for the directed changes related to the disposal of AMWTP retrieval soils, WAG 1 groundwater remediation, and the design and construction of foundation of ARP IX. The modification also definitizes work scope under Section B.16 Extension Items Not Included in Target Cost.

**1. B.14 EXTENSION - TOTAL CONTRACT TARGET COST, FEE, AND COMPLETION DATE** paragraph (c) is modified as follows:

- (c) CLIN C – Balance of ICP: The total contract Target Cost and Target Fee are based on a period of performance from October 1, 2012, through September 30, 2015.

The Target Cost is increased by \$5,648,579 from \$505,904,149 to \$511,552,728.

The Target Fee is increased by \$415,645 from \$37,234,547 to \$37,650,192.

**2. B.15 EXTENSION INCENTIVE FEE** paragraph (c) is modified as follows:

- (c) CLIN C – For the balance of the ICP work scope, the following cost incentive structure is established for a period of performance from October 1, 2012 through September 30, 2015.

Cost Incentive

Target Cost: \$511,552,728

Target Fee: \$37,650,192 (7.36% of target cost)

Maximum Fee: \$76,732,909 (Maximum Fee must not exceed 15% of target cost)

Minimum Fee: \$0.00

Fee Calculation: The fee payable under this contract shall be the target fee increased by thirty (30) cents for every dollar that the total allowable cost is less than the target cost or decreased by thirty (30) cents for every dollar that the total allowable cost exceeds the target cost as specified in FAR 52.216-10 and subject to the maximum fee limitation above for work performed under Section C.8. If there is a fee reduction as a result of failure to meet identified milestones in CLIN A (Refer to B.15(a) above), it will be accomplished by fee reduction in this CLIN C.

3. **C.8.2.1.5 DISPOSAL OF AMWTP RETRIEVAL SOILS AS CERCLA WASTE** is incorporated as follows:

The Contractor shall complete the receipt, treatment, and disposal of AWMTP retrieval soils. This scope shall be completed by September 30, 2015.

The Target Cost is increased by \$37,536 and the Target Fee is increased by \$2,763. This is direct cost only.

4. **C.8.4.3 WAG 1 GROUNDWATER REMEDIATION (ID-0030B.05)** is modified to include the following:

Prepare a revised In Situ Bioremediation (ISB) Rebound Test Plan to support submittal of a draft to the Agencies by February 15, 2015, and finalized in accordance with the FFA/CO process, which will include an implementation schedule.

The Target Cost is increased by \$54,163 and the Target Fee is increased by \$3,986. This is direct cost only.

The remainder of Section C.8.4.3 remains unchanged.

5. **C.8.4.5.3.2 CONSTRUCTION OF ARP IX (ID-0030B.C4)**

This modification exercises the priced option for the design and construction of the foundation for ARP IX. This includes the drafting of the fire exemption request.

This scope shall be completed by September 30, 2015.

The Target Cost is increased by \$5,556,880 and the Target Fee is increased by \$408,896. This is direct cost only.

6. **SECTION B.16 EXTENSION - ITEMS NOT INCLUDED IN TARGET COST** is modified as follows:

**Activity (i) – Task 3 – CPP-603 NE Large Cask Mockup:** The Contractor shall validate that no interferences exist when moving the cask mockup into and out of the cell using the transfer car and the transfer car insert mockup. This includes verification that adequate room exists for the handling of equipment.

A revised B.16 table is attached to this modification. No other changes.

**CONTRACTOR'S STATEMENT OF RELEASE:** In consideration of the modification agreed to herein as a complete equitable adjustment for the directed change to incorporate the disposal of AMWTP retrieval soils, WAG 1 groundwater remediation, and the design and construction of foundation of ARP IX, and in accordance with contract Section I.81 52.243-2 Changes—Cost Reimbursement Alt I, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment. The total target price of the equitable adjustment is an increase of \$6,064,224.

| Activity                                                                            |                | FY13          | FY14          | FY15          | Total         | Notes                                                                                                                                                     |
|-------------------------------------------------------------------------------------|----------------|---------------|---------------|---------------|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| (a) Fuel receipts or transfers of non-EM owned Spent Nuclear Fuel (SNF), including: |                |               |               |               |               | Mod 236 (11/14/12) - includes \$1,588,962 of MR. Fee was calculated w/escalated base, emergent work & G&A totaling \$20,686,032; excluded pension and MR. |
| 1. Transfers of Navy SNF to Naval Reactors Facility (NRF)                           | Estimated Cost | \$ 24,440,507 | \$ 20,261,214 | \$ 19,303,326 | \$ 64,005,047 | Mod 256 (9/26/13) - ded chg to reduce est cost/fee                                                                                                        |
|                                                                                     | Fixed Fee      | \$ 1,494,296  | \$ 1,336,867  | \$ 1,276,831  | \$ 4,107,994  | Mod 268 (1/23/14) and Mod 284 (9/17/14) - Fee calculated on the total estimated cost, excluding pension.                                                  |
|                                                                                     | Total CPFF     | \$ 25,934,803 | \$ 21,598,081 | \$ 20,580,157 | \$ 68,113,041 |                                                                                                                                                           |
| 2. Disposition of 103 Naval Reactor Cans                                            | Estimated Cost | \$ 4,735,495  |               |               | \$ 4,735,495  | Mod 250 (5/22/13) - total estimated costs include MR. Fee calculated without MR and pension.                                                              |
|                                                                                     | Fixed Fee      | \$ 301,437    |               |               | \$ 301,437    |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 5,036,932  | \$ -          | \$ -          | \$ 5,036,932  |                                                                                                                                                           |
| 3. Swapping Fuel in MPS                                                             | Estimated Cost | \$ -          | \$ 158,051    |               | \$ 158,051    | Mod 281 (8/18/14) - Fee calculated without pension.                                                                                                       |
|                                                                                     | Fixed Fee      | \$ -          | \$ 10,534     |               | \$ 10,534     |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ -          | \$ 168,585    | \$ -          | \$ 168,585    |                                                                                                                                                           |
| 4. Navy Fuel Transfer Clean Fuel Modules                                            | Estimated Cost | \$ -          | \$ 13,442     |               | \$ 13,442     | Mod 281 - Fee calculated without pension                                                                                                                  |
|                                                                                     | Fixed Fee      | \$ -          | \$ 989        |               | \$ 989        |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ -          | \$ 14,431     | \$ -          | \$ 14,431     |                                                                                                                                                           |
| 5. NNPP Weigh Cluster                                                               | Estimated Cost | \$ -          | \$ 4,054      |               | \$ 4,054      | Mod 281 - Fee calculated without pension.                                                                                                                 |
|                                                                                     | Fixed Fee      | \$ -          | \$ 267        |               | \$ 267        |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ -          | \$ 4,321      | \$ -          | \$ 4,321      |                                                                                                                                                           |
| 6. NNPP Measure 900-6 Baskets                                                       | Estimated Cost | \$ -          | \$ 2,461      |               | \$ 2,461      | Mod 281 - Fee calculated without pension                                                                                                                  |
|                                                                                     | Fixed Fee      | \$ -          | \$ 162        |               | \$ 162        |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ -          | \$ 2,623      | \$ -          | \$ 2,623      |                                                                                                                                                           |
| 7. Snap Ring Material Testing                                                       | Estimated Cost | \$ -          | \$ 3,389      |               | \$ 3,389      | Mod 284 - Fee calculated without pension                                                                                                                  |
|                                                                                     | Fixed Fee      | \$ -          | \$ 226        |               | \$ 226        |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ -          | \$ 3,615      | \$ -          | \$ 3,615      |                                                                                                                                                           |
| (b) Other Contractor Support to DOE:                                                |                |               |               |               |               | Refer to Mod 236 (11/14/12) for details.                                                                                                                  |
| 1. Developer Support / Wireless Service (NE Funded)                                 | Estimated Cost | \$ 1,148,805  | \$ 1,180,274  | \$ 1,212,655  | \$ 3,541,734  |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 20,413     | \$ 20,972     | \$ 21,548     | \$ 62,933     |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 1,169,218  | \$ 1,201,246  | \$ 1,234,203  | \$ 3,604,667  |                                                                                                                                                           |
| 2. Records Management Support                                                       | Estimated Cost | \$ 283,036    | \$ 291,020    | \$ 299,004    | \$ 873,060    |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 5,029      | \$ 5,171      | \$ 5,313      | \$ 15,513     |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 288,065    | \$ 296,191    | \$ 304,317    | \$ 888,573    |                                                                                                                                                           |
| 3. ID Copier Support                                                                | Estimated Cost | \$ 79,906     | \$ 82,159     | \$ 84,415     | \$ 246,480    |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 1,420      | \$ 1,460      | \$ 1,500      | \$ 4,380      |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 81,326     | \$ 83,619     | \$ 85,915     | \$ 250,860    |                                                                                                                                                           |
| 4. Dosimetry                                                                        | Estimated Cost | \$ 46,110     | \$ 47,411     | \$ 48,712     | \$ 142,233    |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 819        | \$ 842        | \$ 866        | \$ 2,527      |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 46,929     | \$ 48,253     | \$ 49,578     | \$ 144,760    |                                                                                                                                                           |
| 5. Printing/Graphic Arts                                                            | Estimated Cost | \$ 2,015      | \$ 2,072      | \$ 2,129      | \$ 6,216      |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 36         | \$ 37         | \$ 38         | \$ 111        |                                                                                                                                                           |
|                                                                                     | Total CPFF     | \$ 2,051      | \$ 2,109      | \$ 2,167      | \$ 6,327      |                                                                                                                                                           |
| 6. DOE Office Moves                                                                 | Estimated Cost | \$ 238        | \$ 244        | \$ 252        | \$ 734        |                                                                                                                                                           |
|                                                                                     | Fixed Fee      | \$ 4          | \$ 4          | \$ 4          | \$ 12         |                                                                                                                                                           |

| Activity                                                                                     |                | FY13       | FY14         | FY15      | Total        | Notes                                                                          |
|----------------------------------------------------------------------------------------------|----------------|------------|--------------|-----------|--------------|--------------------------------------------------------------------------------|
| 7. Portable Toilet - RESL (CFA Bldg 638)                                                     | Total CPFF     | \$ 242     | \$ 248       | \$ 256    | \$ 746       |                                                                                |
|                                                                                              | Estimated Cost | \$ 1,772   | \$ 1,822     | \$ 1,873  | \$ 5,467     |                                                                                |
|                                                                                              | Fixed Fee      | \$ 31      | \$ 32        | \$ 33     | \$ 96        |                                                                                |
|                                                                                              | Total CPFF     | \$ 1,803   | \$ 1,854     | \$ 1,906  | \$ 5,563     |                                                                                |
| 8. DOE Training                                                                              | Estimated Cost | \$ 17,440  | \$ 17,931    | \$ 18,451 | \$ 53,822    |                                                                                |
|                                                                                              | Fixed Fee      | \$ 310     | \$ 319       | \$ 328    | \$ 957       |                                                                                |
|                                                                                              | Total CPFF     | \$ 17,750  | \$ 18,250    | \$ 18,779 | \$ 54,779    |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| 9. Fuel for DOE Vehicles                                                                     | Estimated Cost | \$ -       | \$ 1,000     | \$ -      | \$ 1,000     | Mod 284, no fee.                                                               |
|                                                                                              | Fixed Fee      |            | \$ -         |           |              |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 1,000     | \$ -      | \$ 1,000     |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (c) Adapted Technologies Project                                                             | Estimated Cost | \$ 52,224  | \$ -         | \$ -      | \$ 52,224    | Mod 254 (9/3/13) FY13 only; no fee                                             |
|                                                                                              | Fixed Fee      | \$ -       | \$ -         | \$ -      | \$ -         |                                                                                |
|                                                                                              | Total CPFF     | \$ 52,224  | \$ -         | \$ -      | \$ 52,224    |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (d) Technology Development - SNF                                                             | Estimated Cost | \$ 516,309 | \$ -         | \$ -      | \$ 516,309   | Mod 254 (9/3/13) FY13 only<br>Fee calc excludes pension                        |
|                                                                                              | Fixed Fee      | \$ 33,691  | \$ -         | \$ -      | \$ 33,691    |                                                                                |
|                                                                                              | Total CPFF     | \$ 550,000 | \$ -         | \$ -      | \$ 550,000   |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (e) Sandia Fuel Receipt (SNL)                                                                | Estimated Cost | \$ -       | \$ 1,515,731 | \$ -      | \$ 1,515,731 | Mod 263 (FY13-15)<br>Fee calc excludes pension                                 |
|                                                                                              | Fixed Fee      | \$ -       | \$ 98,388    | \$ -      | \$ 98,388    |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 1,614,119 | \$ -      | \$ 1,614,119 |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (f) LANL Waste Transfer                                                                      | Estimated Cost | \$ -       | \$ 275,164   | \$ -      | \$ 275,164   | Mod 263<br>Fee calc excludes pension, reg fringe<br>Mod 284 calcs fee w/fringe |
|                                                                                              | Fixed Fee      | \$ -       | \$ 18,136    | \$ -      | \$ 18,136    |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 293,300   | \$ -      | \$ 293,300   |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (g) RH 72B TRAMPAC                                                                           | Estimated Cost | \$ -       | \$ 796,415   | \$ -      | \$ 796,415   | Mod 272 (3/26/14)<br>Fee calc excludes pension (2% FF)                         |
|                                                                                              | Fixed Fee      | \$ -       | \$ 14,246    | \$ -      | \$ 14,246    |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 810,661   | \$ -      | \$ 810,661   |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (h) Small Dollar Activities (Proposals)<br>1. FSV, SNF Stabilization CPP-603 and CPP-666     | Estimated Cost | \$ -       | \$ 31,300    | \$ -      | \$ 31,300    | Mod 263<br>Fee calc excludes pension, fringe<br>Mod 284 calcs fee w/fringe     |
|                                                                                              | Fixed Fee      | \$ -       | \$ 2,034     | \$ -      | \$ 2,034     |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 33,334    | \$ -      | \$ 33,334    |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| 2. WIPP Storage Facilities                                                                   | Estimated Cost | \$ -       | \$ 24,281    | \$ -      | \$ 24,281    | Mod 281<br>Fee calc excludes pension (4%)                                      |
|                                                                                              | Fixed Fee      | \$ -       | \$ 879       | \$ -      | \$ 879       |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 25,160    | \$ -      | \$ 25,160    |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| (i) Analysis of CPP-603 for NE Use (NE Funding)<br>Task 1 - Cost Proposal for Task 2A and 2B | Estimated Cost | \$ -       | \$ 9,102     | \$ -      | \$ 9,102     | Mod 281<br>Fee calc excludes pension                                           |
|                                                                                              | Fixed Fee      | \$ -       | \$ 326       | \$ -      | \$ 326       |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 9,428     | \$ -      | \$ 9,428     |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |
| Task 2A - Validate assumptions                                                               | Estimated Cost | \$ -       | \$ 104,195   | \$ -      | \$ 104,195   | Mod 281<br>Fee calc excludes pension                                           |
|                                                                                              | Fixed Fee      | \$ -       | \$ 5,163     | \$ -      | \$ 5,163     |                                                                                |
|                                                                                              | Total CPFF     | \$ -       | \$ 109,358   | \$ -      | \$ 109,358   |                                                                                |
|                                                                                              |                |            |              |           |              |                                                                                |

| Activity                                           |                | FY13 | FY14         | FY15 | Total        | Notes                             |
|----------------------------------------------------|----------------|------|--------------|------|--------------|-----------------------------------|
| Task 2B - Fabricate a cask mockup                  | Estimated Cost | \$ - | \$ 150,141   | \$ - | \$ 150,141   | Mod 281                           |
|                                                    | Fixed Fee      | \$ - | \$ 8,360     | \$ - | \$ 8,360     | Fee calc excludes pension         |
|                                                    | Total CPFF     | \$ - | \$ 158,501   | \$ - | \$ 158,501   |                                   |
| Task 2C - Devise process to move mockup into 603   | Estimated Cost | \$ - | \$ 8,528     | \$ - | \$ 8,528     | Mod 281                           |
|                                                    | Fixed Fee      | \$ - | \$ 563       | \$ - | \$ 563       | Fee calc excludes pension         |
|                                                    | Total CPFF     | \$ - | \$ 9,091     | \$ - | \$ 9,091     |                                   |
| Task 3 - Large Cask Mockup                         | Estimated Cost | \$ - | \$ 468,302   | \$ - | \$ 468,302   | Mod 287                           |
|                                                    | Fixed Fee      | \$ - | \$ 31,135    | \$ - | \$ 31,135    | Fee calc excludes pension         |
|                                                    | Total CPFF     | \$ - | \$ 499,437   | \$ - | \$ 499,437   |                                   |
| (j) FSV Interim Enhancements (non-defense funding) | Estimated Cost | \$ - | \$ 3,218,193 | \$ - | \$ 3,218,193 | Mod 281                           |
|                                                    | Fixed Fee      | \$ - | \$ 214,486   | \$ - | \$ 214,486   | Fee calc excludes pension, fringe |
|                                                    | Total CPFF     | \$ - | \$ 3,432,679 | \$ - | \$ 3,432,679 | Mod 284 calcs fee w/fringe        |
| (k) Portsmouth Conceptual/Mathematical Modeling    | Estimated Cost | \$ - | \$ 16,906    | \$ - | \$ 16,906    | Mod 281                           |
|                                                    | Fixed Fee      | \$ - | \$ 1,127     | \$ - | \$ 1,127     | Fee calc excludes pension         |
|                                                    | Total CPFF     | \$ - | \$ 18,033    | \$ - | \$ 18,033    |                                   |
| (l) Design of Two Storage Facilities at RWMC       | Estimated Cost | \$ - | \$ 630,251   | \$ - | \$ 630,251   | Mod 284                           |
|                                                    | Fixed Fee      | \$ - | \$ 41,727    | \$ - | \$ 41,727    | Fee calc excludes pension         |
|                                                    | Total CPFF     | \$ - | \$ 671,978   | \$ - | \$ 671,978   |                                   |