

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   16
2. AMENDMENT/MODIFICATION NO. 000002	3. EFFECTIVE DATE 11/02/2016	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY EMCBC U.S. Department of Energy EM Consolidated Business Center 250 E. 5th Street, Suite 500 Cincinnati OH 45202	CODE 03001	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(x) 9A. AMENDMENT OF SOLICITATION NO. DE-SOL-0008109	
		x 9B. DATED (SEE ITEM 11) 09/21/2016	
		10A. MODIFICATION OF CONTRACT/ORDER NO.	
		10B. DATED (SEE ITEM 13)	
CODE	FACILITY CODE		

**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 1 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:
	D. OTHER (Specify type of modification and authority)

**E. IMPORTANT:** Contractor  is not.  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

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

See continuation pages for changes.

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kimberly A. Tate	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 11/02/2016

The purpose of this amendment is to revise the following:

**Section B, Supplies or Services and Prices/Costs: Table B.2-1**, Contract CLINs is updated to add “C.3” to the PWS Section(s) Column for CLINs 00004, 00007, and 00010.

**Section C, Performance Work Statement** is revised in C.1.1 to revise text, C.3 to correct a reference); C.3.1.1 and C.3.1.5 to correct the reference to Section H clause; C.3.7.1 to add “if applicable”; C.3.7.3 to strike “development and implementation schedule”; C.3.7.7 to add text; C.4.3.2 for editorial changes in 7<sup>th</sup> bullet; C.5.1.7 to correct the Section J, Attachment J-6 reference; C.5.2.4 to insert text; C.6.4.6, Item 3, to delete the duplicate reference to R-55i; C.7.1 and C.9.4 to revise text; C.11.2.4 to correct the reference to TA-21; C.11.2.7 and C.11.2.9 to revise text; C.12.1.11 to delete the reference to “following”; C.12.2.4 at MDA-H Remedy Project Planning to revise text; C.13.2, Paragraph (a) to reflect the Phase-Out Transition Plan is due 60 days prior to the completion of the contract term; C.13.3, Paragraph (a) to reflect the Close-out Plan is due 60 days prior to the completion of the contract term; and C.14 to revise text.

**Section H, Special Contract Requirements, H.5, DOE-H-2001 Employee Compensation: Pay and Benefits** to make an editorial change.

**Section J, Attachment J-6, Interfaces with NNSA Managing and Operating Contractor Systems and Services** is revised to provide clarification at 27.b.

**Section J, Attachment J-10, Performance Evaluation And Measurement Plan, Exhibit 3 – Performance-Based Incentive Criteria For Each Contract Period Of Performance**, 10, 11, and 15.

**Section J, Attachment J-16, Environmental Permits, Compliance Documents, And Agreements Applicable To The EM Work**, was revised to expand the cells of Column 1 of the Table so that all text was visible.

**Section J, Attachment J-17, CH-TRU Waste Stream Quantities And Details**, revised “Above Ground CH-TRU Waste Inventory table” to indicate volume is in cubic meters, revised Table 1 and added an 8<sup>th</sup> item: 17<sup>th</sup> Canister.

**Section L Instructions, Conditions, and Notices to Offerors: L.10, DOE-L-2001 Proposal Preparation Instructions – General (OCT 2015) Alternate I and Alternate II (Oct 2015)** Paragraph (c)(2) to change the due date, Paragraph (f)(4) to allow Arial 8 font for the Integrated Schedule if using Primavera; **L.11, DOE-L-2002 Proposal Preparation Instructions, Volume I – Offer and Other Documents – Alternate II, Alternate III, Alternate IV, Alternate V, and Alternate VI (OCT 2015)** to correct the title in (b)(1), to add “and Other Entities” to the title in (e), and revise text at (e)(1); **L.14, DOE-L-2004 Proposal Preparation Instructions, Volume II – Technical Approach (OCT 2015)** to delete text; **L.15, Proposal Preparation Instructions, Volume II – Key Personnel and Organization**, Paragraph (e)(6) to revise text; **L.17 DOE-L-2010 Proposal Preparation Instructions, Volume II – Past Performance** to revise text in Paragraphs (e) and (h); **L.18 Proposal Preparation Instructions, Volume III –**

**Cost And Fee Proposal** to correct a reference in “General” and add “site specific training” to Fringe Benefits paragraph; **L.19 DOE-L-2014 Date, Time, And Place Offers Are Due** to extend the due date; and **Attachment L-8, Assumptions** have been revised.

Changes are **bolded** and underlined when inserted and deletions are shown as ~~strikeout~~ when an entire deletion or replacement is not identified.

**1. SECTION B – SUPPLIES OR SERVICES AND PRICES/COSTS**

<b>Table B.2-1 Contract CLINs</b>			
<b>CLIN</b>	<b>CLIN Title</b>	<b>Type</b>	<b>PWS Section(s)</b>
<b>Transition Period (90 days)</b>			
00001	Transition (90 days)	CR (no fee)	C.2
<b>Base Period (5 Years)</b>			
00002	CH-TRU Waste Disposition (PBS 0013)	CPAF	C.3, C.4
00003	Environmental Remediation (PBS 0030)	CPAF	C.3, C.5, C.6, C.7, C.8, C.9, C.10, C.11, C.12, and C.13
00004	Additional Assignments in Accordance with PWS Section C.14	IDIQ	<b>C.3</b> , C.14
<b>Option Period 1 (3 Years)</b>			
00005	CH-TRU Waste Disposition (PBS 0013)	CPAF	C.3, C.4
00006	Environmental Remediation (PBS 0030)	CPAF	C.3, C.5, C.6, C.7, C.8, C.9, C.10, C.11, and C.12
00007	Additional Assignments in Accordance with PWS Section C.14	IDIQ	<b>C.3</b> , C.14
<b>Option Period 2 (2 Years)</b>			
00008	CH-TRU Waste Disposition (PBS LANL-0013)	CPAF	C.3, C.4
00009	Environmental Remediation (PBS LANL-0030)	CPAF	C.3, C.5, C.6, C.7, C.8, C.9, C.10, C.11, and C.12
00010	Additional Assignments in Accordance with PWS Section C.14	IDIQ	<b>C.3</b> , C.14

**2. SECTION C – PERFORMANCE WORK STATEMENT is revised as follows:**

**C.1.1 Background**

Within this section, the following paragraph is revised:

Other regulatory drivers include environmental permits, compliance agreements, and other agreements applicable to the EM work scope which are listed in Section J, Attachment J-16, Environmental Permits, Compliance Documents, and Agreements, and closure plans, Federal and

State of New Mexico regulations, and other implementing documents. Although some of the environmental permits (such as Title V of the Clean Air Act) are issued to the LANL landlord as operator or owner/operator, **others are issued jointly to LANL and the M&O Contractor.** **Regardless of who is designated as the permittee(s)**, the EM Contractor's legacy environmental cleanup activities must comply with these permit provisions, ~~as if EM was a co-owner with NNSA and the Contractor was a co-operator in accordance with (See Section J, Attachment J-16 for details).~~

**C.3 PROGRAM MANAGEMENT AND GENERAL REQUIREMENTS**, 2nd paragraph is revised to read as follows:

The Contractor shall distribute costs for all personnel performing management and support activities specifically for the scopes of work identified in the other sections of Section C (C.4 through C.14, and C.14) to the corresponding CLIN for that particular scope of work. The Contractor shall assign only those costs for overall program management and support, as described in this Section C.3, to the CLINs associated with C.3.

**C.3.1.1 and C.3.1.5** are revised to correct reference from H.72 to "Section H.73, *Integrated Work Control Systems and Reporting Requirements*.

#### **C.3.7.1 Personal Property Management**

The Contractor shall manage all assigned government-owned accountable and non-accountable personal property in accordance with the requirements listed below and in 41CFR101 and 41CFR109 (EM-LA is not responsible for any real property). The Contractor shall control classified equipment and material, **if applicable** in accordance with DOE Order 471.6, Information Security and high-risk property in accordance with DOE Personal Property Letter, Issue Number 970-3, Revision 1, February 3, 1998. Destruction or "rendering useless" of any component, equipment, and material, which are surplus to the DOE, is the responsibility of the Contractor.

#### **C.3.7.3, Site Planning Efforts**

The Contractor shall provide technical and progress information to support Site strategic planning efforts including site planning tools, documents and activities including developing the Long-Term Strategy for Environmental Stewardship and Sustainability and the Site Ten Year Plan. The Contractor shall tailor its investigation and environmental remediation schedules, and conduct its activities so as not to interfere with the Manhattan Project National Historical Park **development and implementation schedule.**

### **C.3.7.7 Use of Commercial Treatment, Storage, and Disposal Facilities**

Unless EM-LA specifically allows an exemption, all commercial Treatment, Storage, and Disposal Facilities (TSDF) contracted for the Contractor's hazardous and M/LLW programs must be licensed, permitted, and have successfully completed a Department of Energy Consolidated Audit Program (DOECAP) audit within the required audit period. **The Contractor shall support the biannual DOECAP audits of TSDF's used for waste management.**

### **C.4.3.2, Above Ground Container Retrieval, Handling and Storage Operations, 7<sup>th</sup> bullet:**

- Transport to, off-loading, and inspecting containers during the receipt process at the RANT, if RANT is ~~continuing~~ **continued** to be used, or to another facility providing this function. The Contractor is responsible (activity and cost) for the road closure for the movement of waste to RANT. The Contractor will execute this scope in coordination with the NNSA M&O Contractor. The Contractor will not have a role in the daily operation of RANT.

Note: Under the LLCC Contract, the Contractor will transport the certified TRU Waste to the RANT Facility which will be operated by the NNSA M&O where the payloads will be assembled. The Contractor shall pay ~~their~~ **its** share for the maintenance and operation of RANT through cost reimbursement with the NNSA M&O Contractor.

**C.5.1.7, Hydrogeologic Data Repository and Geologic Framework Model** is revised to correct the reference (See Section J, Attachment J-6, #~~8~~**9**)

### **C.5.2.4, Pueblo de San Ildefonso Drinking Water Supply Wells**

The Contractor shall complete all groundwater sample collection at San Ildefonso in accordance with the annually updated and approved SAP, Appendix A under the "Memorandum of Understanding [MOU] for Environmental Monitoring" among DOE, the Bureau of Indian Affairs, and the Pueblo of San Ildefonso. As agreed to among the Pueblo, the Bureau of Indian Affairs (BIA), and EM-LA, the sampling described in Appendix A to the MOU will be **performed by the Contractor and coordinated and performed by with DOE EM-LA and NA-LA, and LANL NNSA M&O Contractor,** ~~the Contractor,~~ and Pueblo-designated personnel. All activities shall be conducted in accordance with the June 2015 MOA and protocols. Failure to notify the Pueblo in a timely manner may result in the Pueblo's denying the request or determining an alternate date for sample collection. For any groundwater sample, with the exception of storm water samples (because of insufficient volume), the Pueblo may obtain a split **sample** as outlined in Section 6.d. of the May 28, 2014 Protocol for Protecting Confidential Pueblo Information (the Confidentiality Protocol).

#### C.6.4.6, Plug and Abandonment, Item 3:

3. Following replacement and verification of acceptable water chemistry and acceptable quality requirements from a replacement regional aquifer, the contractor shall plug and abandon the existing wells: R-54, R-55i, ~~R-55i~~ and R-61.

#### C.7.1 Surface Water Monitoring Programs

Paragraph 2: The Contractor shall plan sampling utilizing the EIMS sample planning module (See Mind Map in Section J, Attachment J-11, GFS/I) including an examination of the current sampling plan, planning field activities ~~to meet the three-week-long campaign requirement~~, sample bottle IDs and labels, sequencing collection, facilitating any subcontractor activities, checking ~~monitoring well water levels~~ sample collection status using telemetry where available, ~~checking packer pressures~~, etc.

#### C.9.4, Final Remedy Operations

The Contractor shall operate the remedy and determine whether the remedy is performing as designed and anticipated. The Contractor shall adjust operations as necessary to obtain the requisite performance. **The Contractor shall prepare and provide an annual report of remedy performance to EM-LA for approval and subsequent submittal to NMED.** It is expected that the remedy operations will extend through the life of this Contract; therefore, **the Contractor shall prepare** a ~~remedy completion~~ **Corrective Measures Implementation** report ~~will not yet be possible at the end of Option Period 2 (if exercised).~~ ~~The contractor shall prepare and provide an annual report of remedy performance to EM-LA for approval and subsequently submittal to NMED.~~

#### C.11.2.4, Delta Prime Site Aggregate Area, 2<sup>nd</sup> Paragraph:

The Contractor shall excavate and dispose of the buried industrial waste lines in the DP West area that run from the DP West building slabs to building TA-21-257 (Radiological Liquid Waste Facility) and that are included in TA-21 ~~004~~ **Consolidated Unit 022**(b)-99.

#### C.11.2.7, Lower Sandia Canyon Aggregate Area, 2<sup>nd</sup> Paragraph

**Based on current knowledge, not all sites will be able to be closed without additional field work. Therefore, the Contractor shall prepare a** A-Phase II Work Plan for Lower Sandia Canyon Aggregate Area, ~~LA-UR-14-xxxxxx~~, June 2014, was prepared by ~~the LCBC contractor~~. For those sites still above SSLs the Contractor shall conduct any necessary field characterization for these sites IAW the IWP, conduct field cleanup activities for these sites, and submit an IR and CoCs as required. The Contractor shall allow EM-LA the opportunity to participate in the product peer review process. Following NMED approval of CoCs, the Contractor shall prepare modifications to the NNSA-owned RCRA HWF Permit to remove sites from Appendix K. The Contractor

shall coordinate with the NNSA M&O Contractor, EM-LA, and NMED to effect removal of the SWMU or AOC from the Permit.

### **C.11.2.9, Middle Mortandad and Ten Site Canyons Aggregate Area**

NMED granted CoCs for: ~~60 SWMUs and 22 AOCs on February 9, 2011. The Contractor shall coordinate with the NNSA M&O Contractor, EM-LA, and NMED to effect removal of the SWMU or AOC from the Permit.~~

- **33 SWMUs and 12 AOCs on June 30, 2011**
  - **15 SWMUs not subject to controls include 05-006(h), 35-002, 35-004(b and g), 35-009(b and c), 35-010(a, b, c, and d), 35-014(a), 52-002(a), 60-005(a), and 63-001(a and b);**
  - **8 AOCs not subject to controls include 35-004(m) [which was mislabeled a SWMU], 35-007, 35-011(d), 35-014(f and g2), 52-003(a), 60-004(c and e);**
  - **18 SWMUs subject to controls include 35-003(a, b, c, d, e, f, g, j, k, l, m, n, o, and q), 35-009(e), 35-014(b), 35-015(a, b); and**
  - **4 AOCs subject to controls include 35-003(misc), 35-014(d), 35-016(i), and 35-018(a).**
- **3 SWMUs (04-001, 04-002, and 04-003(b)) on May 18, 2015;**
- **1 SWMU (35-016(i)) and 1 AOC (35-014(e2)) on September 27, 2013;**
- **6 SWMUs (05-001(a and b), 05-002, 05-005(a), and 05-006(b and e)) and 1 AOC (05-001(c)) on September 16, 2015;**
- **17 SWMUs (35-003(h and p), 35-004(a and h), 35-008, 35-009(a and d), 35-014(e and g), and 35-016(a, c, d, k, m, o, p, and q)) and 8 AOCs (35-003(r), 35-010(e), 35-014(g3), and 35-016(b, e, f, l, and n)) on October 14, 2015.**

**The Contractor shall coordinate with the NNSA M&O Contractor, EM-LA, and NMED to effect removal of the SWMU or AOC from the Permit.**

### **C.12.1.11, Construction of Remedy Projects**

The Contractor shall execute Environmental remedy projects. The Contractor shall evaluate the need for and conduct onsite air monitoring during the implementation of any of the following proposed remedy construction activities.

#### C.12.2.4, Material Disposal Area-H:

##### MDA-H Remedy Project ~~Planning~~

After the final remedy is selected by NMED, the Contractor shall prepare a CMIP for submittal to EM-LA for approval and subsequently to NMED, to include a detailed engineering design for the remedy and any post-closure care and monitoring systems and schedule for initiation and execution of the expected project for the MDA-H selected remedy. The MDA-H presumptive remedy is currently expected to be an engineered, evapo-transpirative cover with SVE and institutional controls, and with post-closure care and monitoring systems. ~~It is not anticipated that the MDA-H corrective measures will be implemented during this contract period.~~ **After approval of the CMIP, the Contractor shall execute the remedy project for MDA-H including fully implementing the additional post-closure care and monitoring plan. The project must be closely coordinated with EM-LA and NNSA because of its location along the egress road to Area G and the RANT off-site shipments of TRU wastes.** The Contractor shall prepare all appropriate environmental evaluation supporting documentation and safety basis documentation to accomplish the remediation and submit to EM-LA for approval (this will likely require subsequent submittal to EM-HQ for approval).

#### C.13.2, Phase Out Activities, Paragraph (a):

- (a) The Contractor shall submit a Phase-Out Transition Plan to include its approach to adequately phase-out all LLCC activities and transition existing status and continuing activities to the incoming contractor. The Phase-Out Transition Plan shall be submitted the EM-LA Contracting Officer at least 60 days prior to the ~~end of the 2nd option period~~ **completion of the contract term**, or as notified by the DOE EM Contracting Officer.

#### C.13.3, Contract Closeout Activities, Paragraph (a):

The Contractor shall submit the Contract Closeout Plan in accordance with this PWS and Section J, Attachment J-2, at least 60 days prior **to the completion of the contract term** ~~to the end of the 2nd option period~~ or as directed by the DOE EM Contracting Officer. DOE may withhold final payment until all of the necessary activities are completed by the Contractor.

#### C.14 ADDITIONAL ASSIGNMENTS (INDEFINITE DELIVERY INDEFINITE QUANTITY CONTRACT LINE ITEM NUMBERS 00004, 00007 AND 00010)

Some additional 'in-scope' requirements are expected to be developed or identified during the contract's period of performance. These types of assignments may involve, but are not necessarily limited to, the following categories of work:

- Wells, boreholes, and piezometers that are expected throughout the contract period whose requirements are not currently established or known shall be drilled in accordance with the Section C.6 process and requirements.
- Emergent environmental remediation activities that are within the contract scope but not currently identified or quantifiable, such as a discovery of a **new disposal site identified** larger than expected contaminant plume **as a** resulting of initial aggregate area investigations that shall be conducted in accordance with Section C.11 process and requirements. **Newly identified SWMU's are those not listed under the current Consent Order, but reside within the aggregate areas otherwise being investigated.**
- Currently known environmental remediation activities that are not developed sufficiently to rely on current estimates or allow accurate estimating by the Contractor ~~such the General's Tanks Removal Activities (including excavation, removal, size reduction, and disposition of wastes) at TA-21 that shall be executed in accordance with Section C.12.1 (partial).~~
- For current CH-TRU disposal areas, there may be additional aggregate area investigations which uncover unexpected contaminant spread from the original disposal sites boundaries which would be conducted in accordance with Section C.11 processes and requirements.
- ~~Implementation of the remedy of MDA C including remedy development of alternatives and remedy selection in line with the regulatory process and public involvement and conducted in accordance with Section C.12.1 processes and requirements.~~
- ~~Implementation of a potential remedy for the combined MDA A and MDA T area, which requires completion of characterization, especially the geological processes resulting in potential cliff retreat that has not been characterized and evaluated, and conducted in accordance with Section C.12.1 processes and requirements.~~

**3. Section H, H.5 DOE-H-2001 EMPLOYEE COMPENSATION: PAY AND BENEFITS (OCT 2014), Paragraph (G)(1) is revised to insert a closed parentheses as follows:**

- (1) The Contractor shall become a sponsor of the existing defined benefit and defined contribution plans (or, if continuation of the existing plans is not practicable, comparable plans) and other benefit plans sponsored by LANS, including other post-retirement benefit (PRB) plans, as applicable, with responsibility for management and administration of the plans. The Contractor shall be responsible for maintaining the qualified status of those plans consistent with the requirements of ERISA and the Internal Revenue Code (IRC). Based on the potential limited number of employees who may accept positions and have existing defined benefit plans, it may not be feasible to establish a comparable defined benefit plan which complies with the requirements of ERISA and the IRC. If that circumstance develops, the contractor shall propose comparable alternative benefit plans. The Contractor shall carry over the length of service

credit and leave balances accrued as of the date of the Contractor's assumption of Contract performance.

**4. SECTION J, LIST OF ATTACHMENTS are revised as follows:**

**SECTION J, ATTACHMENT J-10, PERFORMANCE EVALUATION AND MEASUREMENT PLAN, EXHIBIT 3 – PERFORMANCE-BASED INCENTIVE CRITERIA FOR EACH CONTRACT PERIOD OF PERFORMANCE**

In Exhibit 3, Performance Based Incentives 9, 10, 11 and 15 are changed as follows:

**9. PWS C.9 – BASE PERIOD**

The Contractor shall complete the implementation of the Research Department Explosive (RDX) ~~interim measures and final remedy~~ **Characterization** Consent Order Campaign C and achieve the completion criteria such that these activities can be put into long-term monitoring and can be transferred back to the NNSA landlord for long-term stewardship. Annual PBIs<sup>2</sup> for the appropriate annual evaluation periods shall be established based on:

- a. submittal and NMED approval of the Corrective Measures Evaluation resulting in acceptance of the recommended remedy early within the Base Period.

**10. PWS – OPTION PERIOD 1**

The Contractor shall complete the implementation of the Research Department Explosive (RDX) ~~interim measures and final~~ remedy Consent Order Campaign CF and achieve completion of the completion criteria such that these activities can be put into long-term monitoring and can be transferred back to the NNSA landlord for long-term stewardship. Annual PBIs<sup>2</sup> for the appropriate annual evaluation periods shall be established based on:

- b. Completion of implementation of the final remedy within Option Period 1.

**11. PWS C.9 – OPTION PERIOD 2**

The Contractor shall complete the implementation of the Research Department Explosive (RDX) ~~interim measures and final~~ remedy Consent Order Campaign CF and achieve completion of the completion criteria such that these activities can be put into long-term monitoring and can be transferred back to the NNSA landlord for long-term stewardship. Annual PBIs<sup>2</sup> for the appropriate annual evaluation periods shall be established based on:

- c. submittal and NMED approval of the Corrective Measures Implementation Report demonstrating acceptable performance of the final remedy within Option Period 2.

**15. PWS C.11<sup>2</sup> – BASE PERIOD**

The Contractor shall complete the aggregate area cleanup campaigns listed in the 2016 Consent Order, Appendix C. Annual PBIs<sup>2</sup> for the appropriate annual evaluation periods shall be established based on campaign completions and NMED acceptance of a final Investigation Report and associated Certificates of

Completion for each and every Solid Waste Management Unit (SWMU) and Area of Concern (AOC) within the campaign:

- Campaign B, Historical Properties (G/B/Rendija, Pueblo, U. & M. LA Cyns);
- Campaign D, ~~Administrative Site Completion~~ Supplemental Investigation Reports;
- Campaign E, TA-21 D&D and Cleanup;
- ~~Campaign F, Los Alamos/Pueblo Canyons Sediment;~~
- Campaign G, Known Cleanup Sites (Above SSL); and
- Campaign J, Southern External Boundary (Chaquehui, S. Ancho, L. Water).

**SECTION J, ATTACHMENT J-17, CH-TRU WASTE STREAM QUANTITIES AND DETAILS**

Description	Volume (m <sup>3</sup> )	MAR (PE-CI)	Count
Sludge Drums	90	380	317
Debris Drums	106	3,154	382
Drums with Cemented Monoliths	86	7,028	349
Drums with Cemented Cans	240	14,549	759
Drums with Inorganics	2	141	11
10-100 MLLW	396	200	1,269
SWBs	346	3,242	303
Fiberglass-Reinforced Plywood/Crates/Metal Boxes	8	1	1
“Bolas Grandes” Spheres	40	96	33
Off-site Source Recovery Program Pipe-Overpack Containers	9	503	43
Other Containers	12	324	51
<b>Totals</b>	<b>1,335</b>	<b>29,618</b>	<b>3,518</b>

Category	General Description	Approximate Volume (m <sup>3</sup> )	Percentage Total Volume	Approximate MAR (PS-01)	Percentage Total MAR
Trenches A-D	Approx. 710 30-gal. drums split between 4 trenches	80.6	3.7%	93,866	84.5%
Pit 9	Approx. 3,882 55-gal., 30-gal. and 85-gal. drums, 191 fiberglass-reinforced plywood boxes, and 6 other containers	1,586	73.0%	6,377	5.7%
Corrugated Metal Pipes (CMPs) above Pit 29	158 CMP, each ~ 30 in. diameter x 20 ft. long	439	20.23%	10,778	9.7%

Hot Cell Liners (RH Waste)	5 Shafts with glovebox liners from hot cells, each in a steel box 6 ft. x 6 ft. x 10 ft. long (Shafts 302-306)	51	2.84%	0.6	0.001
Tritium Packages	4 tritium packages, each containing 3 55-gal. drums, and one tritium tank that is 20 ft. long (Shafts 262-266)	6.7	0.3	8	0.01
<b>17<sup>th</sup> Canister</b>	<b><u>One canister containing three (3) 55-gal. drums that contain lead shielded Neptunium-237 wastes (Shaft 235)</u></b>	<b><u>3.4</u></b>	<b><u>0.15</u></b>	<b><u>97</u></b>	<b><u>0.09</u></b>
<b>Total</b>		<b><u>2,1636</u></b>	<b><u>100%</u></b>	<b><u>111,030127</u></b>	<b><u>100%</u></b>

**8. 17th Canister**

**The 17th Canister is stored in vertical shaft 235 that was augured into the mesa top near the east end of Area G and lined with a corrugated metal pipe. The top of the corrugated metal pipe for Shaft 235 is surrounded by a concrete pad and the shaft has a concrete cover. The 17th Canister has a configuration that consists of a cigar-shaped outer container designed to hold three drums that are the primary containers for the waste contents. The outer container for the 17th canister was called an “RH canister”.**

**The 17th Canister holds three lead-lined 55-gal drums that contain waste items contaminated with neptunium-237 (Np-237) that were generated at TA-55. One of the drums contains items that were previously considered RH because they have radiation levels at the exterior surface of the “item” that exceed 200 millirem per hour (mrem/hr), with one item reported as high as 2,000 mrem/hr. Because of the lead shielding, the exterior of the drums are all below 200 mrem/hr. Therefore, the 17th Canister may be able to be reevaluated as low-level radioactive waste or CH-TRU waste.**

**5. SECTION L – INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS**

**L.10, DOE-L-2001 PROPOSAL PREPARATION INSTRUCTIONS – GENERAL (OCT 2015) ALTERNATE I AND ALTERNATE II (OCT 2015):**

Paragraph (c)(2) as follows:

(2) Offerors must submit proposals electronically through FedConnect by the date and time specified in Standard Form 33, Solicitation, Offer and Award, in Section A of this solicitation and other provisions of Section L. It is imperative that the Offeror read and understand how to submit its proposal using the FedConnect web portal. All proposal

documents required by this solicitation must be uploaded, submitted, and received in their entirety in the FedConnect Responses web portal no later than ~~Monday~~ **Tuesday, November 24 December 6**, 2016, 4pm (Eastern Standard Time). Failure to submit a response that is received through the FedConnect Responses web portal by the stated time and date may result in the proposal not being considered. By submitting a proposal, the Offeror agrees to comply with all terms and conditions as set forth in this solicitation. DOE does not provide help desk assistance regarding FedConnect, and questions regarding FedConnect shall be addressed directly to FedConnect in accordance with instructions found on its web site. Subcontractor submissions of proprietary information may include a password protected file to the prime and share the password with the Contracting Officer. The subcontractor proposal must adhere to the proposal due date/time in the solicitation and be submitted by the prime Offeror via FedConnect.

Paragraph (f)(4) as follows:

Print type. Text shall be 12 point or larger, single-spaced, using Times New Roman font type. Headers and footers, spreadsheets, charts, tables, diagrams or design drawings, and graphs must be 10 point or larger using Times New Roman font type. **If using Primavera for the Integrated Schedule, Arial 8 font may be used for the Integrated Schedule/Gantt Chart ONLY.** Two columns of text per page and use of bold face type are acceptable. Print type used in completing forms attached to this Request for Proposal (RFP) as Microsoft® (MS) Word®, Access®, or Excel® documents should not be changed from the styles used in the attachments.

**L.11 DOE-L-2002 PROPOSAL PREPARATION INSTRUCTIONS, VOLUME I – OFFER AND OTHER DOCUMENTS – ALTERNATE II, ALTERNATE III, ALTERNATE IV, ALTERNATE V, AND ALTERNATIVE VI (OCT 2015), Paragraph (b)(1) as follows:**

- (1) Section B:
  - (i) B.2-2, ~~TYPE OF CONTRACT~~ **Contract Cost and Fee**

(e) Subcontractors **and Other Entities.**

- (1) Name, address, and DUNS number for all proposed, ~~named~~ **critical** subcontractors ~~at any level that will perform any portion of the contract work.~~

**L.14 DOE-L-2004 PROPOSAL PREPARATION INSTRUCTIONS, VOLUME II – TECHNICAL APPROACH (OCT 2015)**

Within L.14, the following paragraph is revised as follows:

The Offeror shall provide its general technical understanding of the activities ~~listed below~~ that fall under Program Management and General Requirements (PWS C.3) in sufficient

detail to enable the Government to ascertain the Offeror's comprehension of these activities and how they will be integrated into the overall effort. A detailed technical approach is not required; however, restating the PWS requirements will not adequately demonstrate such understanding.

**L.15 PROPOSAL PREPARATION INSTRUCTIONS, VOLUME II – KEY PERSONNEL AND ORGANIZATION**, Paragraph (e)(6) as follows:

Subcontractors and other performing entities. Identify any proposed critical subcontractor(s) or other performing entities, including members in an LLC, joint venture, or other members of a teaming arrangement, and the specific work proposed to be performed by each. The Offeror shall identify the specific business relationship (subcontract, teaming agreement, etc.) ~~between the offeror and~~ **for** each entity proposed to perform work. The Offeror shall describe the rationale for the proposed performance of work by the identified subcontractors, as opposed to the Offeror's own employees. The Offeror shall describe how each performing entities' work will be integrated and controlled within the overall work to be performed.

**L.17 DOE-L-2010 PROPOSAL PREPARATION INSTRUCTIONS, VOLUME II – PAST PERFORMANCE (OCT 2015)**, Paragraphs (e) and (h) are revised as follows:

(e) Contracts information. The Offeror shall provide past performance information on three contracts, either completed or currently being performed by the Offeror, and **not more than** three contracts, either completed or currently being performed, for each critical subcontractor. If the Offeror is a newly formed entity, the Offeror shall provide past performance information on three contracts for each parent organization(s) or each member organization if the Offeror is a joint venture, LLC, or similar entity. The Offeror shall only provide relevant past performance information for contracts that are currently being performed or have been performed or completed within the last ten years from the date proposals are due.

(h) Past Performance Questionnaire. The Offeror shall provide the Past Performance **Cover Letter and** Questionnaire contained in Attachment L-4 to Section L ~~and the completed Past Performance and Experience Reference Information Form in Attachment L-3 to Section L~~ to each of the contract references. ~~—(The Past Performance and Experience Reference Information Form is provided to the reference to ensure the reference is completing the Past Performance Questionnaire based on the Offeror's performance on the associated contract shown in the Past Performance and Experience Reference Information Form).—~~The Offeror shall request that clients return the Past Performance Questionnaire directly to DOE by mail or electronic means to the address identified below no later than two weeks prior to the date for receipt of proposals.

## **L.18 PROPOSAL PREPARATION INSTRUCTIONS, VOLUME III – COST AND FEE PROPOSAL**

General Section, 2<sup>nd</sup> Paragraph is revised to correct the reference below:

In accordance with FAR 15.403-1, Prohibition on Obtaining Certified Cost or Pricing Data, certified cost or pricing data are not required of Offerors responding to this solicitation; however, in accordance with FAR 15.403-3, Requiring Data Other Than Certified Cost or Pricing Data, Offerors shall provide Data Other Than Certified Cost or Pricing Data in support of its proposed cost and fee in the format specified in the instructions specified in paragraphs L.18(a) through (sg) below.

(l) Offeror Proposed Cost:

(v) Direct Labor, 2<sup>nd</sup> Paragraph is revised as follows:

The Offeror has the ability to propose its own direct labor rates, consistent with the terms and conditions of the solicitation, applicable law, including the Wage Rate Requirements (Construction) (formerly known as the Davis-Bacon Act) and 4(e) of the Service Contract Labor Standards (formerly known as the Service Contract Act), as applicable. However, the proposed labor rates shall not be less than the DOE provided direct labor rates included within Attachment L-7 of this solicitation.

(x) Indirect Rates, Fringe Benefits Paragraph is revised as follows:

Fringe Benefits – For the workforce eligible for employment under the Work Force Transition and Employee Hiring Preferences Including Through Period of Performance (Clause H.4) the Offeror's proposed fringe benefit rates shall be at least 41.5%. The fringe benefit rates (whether using the DOE provided fringe rates or those specifically proposed by the Contractor) shall be applied to all labor costs not covered below. The provided fringe benefit rates cover projected labor related indirect costs such as medical, dental, severance, Employee Assistance Program, life insurance, accident/sickness coverage, benefit administration, vision, pension, workers compensation, FICA, FUTA, SUTA and time-off (vacation, sick and holiday, **and site specific training**). Pension costs and health benefit costs for the Offerors proposed workforce are accounted for using the provided fringe benefit rate

**L.19 DOE-L-2014 DATE, TIME AND PLACE OFFERS ARE DUE (OCT 2015)** is revised as follows:

All Offers required by this solicitation are due ~~at the date, time, and place identified on the Standard Form (SF-33), Solicitation, Offer and Award (See Section A, Block 9)~~ **no later than**

**December 6, 2016, at 4:00pm Eastern Standard Time.** Treatment of late submissions, modifications, and withdrawals are governed by the applicable provisions of the solicitation.

**ATTACHMENT L-2, KEY PERSONNEL STANDARD RESUME FORMAT** to add the following:

**Note: The Offeror may amend the format for Attachment L-2, Key Personnel Standard Resume Format, as long as the exact information, font and size, and page limitations are followed.**

**ATTACHMENT L-8, ASSUMPTIONS** have been revised throughout as well as within the table “Assumptions - Campaign and PWS Section Cross Walk to Contract Periods”. See attached red-lined Section L, Attachment L-8.

**6. ALL OTHER TERMS AND CONDITIONS OF THE RFP REMAIN UNCHANGED.**

**ATTACHMENT L-8  
 ASSUMPTIONS**

As part of the procurement, the NNSA M&O Contractor will be providing the Contractor "Mandatory Services" as identified in Section J, Attachment J-6, Interfaces with NNSA M&O Contractor Systems and Services. Costs related to Mandatory and Optional Services are stated in FY 2017 dollars and are not escalated for out-year services; therefore, Offerors shall escalate the costs as appropriate. For any proposed "Mandatory" or Optional" services provided by the M&O Contractor, these shall be handled as pass-through costs; therefore, no indirect costs or fee/profit shall be applied. Offeror's administrative costs incurred by the Offeror to administer and support the M&O's "Mandatory" and Optional" activities shall be estimated in accordance with its estimating practices.

	Entire PWS	For the entire PWS scope, assume that there is no available inventory of consumable materials (e.g. various packaging, containers, PPE, etc.) to be carried over from the incumbent contractor.
C.3.3.25	Radiation Protection Program	The Offeror shall assume <u>annual costs of \$1.5M for the M&amp;O Contractor to provide that a radiation protection program costs \$1.5M per year to run.</u>  <u>The Offeror shall assume annual costs of \$150,000 for the M&amp;O Contractor to provide Shared RP IT systems will cost \$150,000 per year payable to the NNSA M&amp;O Contractor that runs the systems.</u> The rest remaining of the systems shall be established and maintained by the Contractor.
C.3.3.5	Radiation Protection Program	The Offerors shall assume <u>annual costs of \$1,250,000 for that Radiological Control Technician (RCT) and instrumentation support to the remediation activities will cost \$1,250,000 per year in direct charges.</u>
C.3.8.3	EM Owned Facilities	The Offerors shall assume <u>annual costs of that \$100,000 is required annually for the fire break maintenance within TA-54 for Area-G for both inside the fence area and a buffer zone outside the fence.</u>  The Offerors shall assume <u>annual costs of \$15,000,000 that the FY2017 maintenance costs for facilities in TA-54 Area G for safe storage/operational warm stand-by and maintenance. of approximately \$15,000,000 per year that is paid by the NNSA M&amp;O Contractor will be the continuing annual maintenance costs to be paid by the Contractor in FY2018 through the end</u>

		<del>of the contract period of performance.</del>
C.3.8.5	Core Facility	<p>The Offeror shall assume that the Core Facility requires less than 0.5 FTE to manage the facility, the cores, and the database per year.</p> <p>The Offeror shall assume at time of transition that approximately 450 cores are stored at the facility.</p> <p>The Offeror shall assume that an electrical core handling device is necessary to safely retrieve and store the cores.</p> <p>The Offeror shall assume that use of the current Core Facility is continued.</p> <p>The Offeror shall assume that only minor housekeeping and maintenance is necessary to maintain the current Core Facility to prevent freezing and overheating the cores.</p>
C.4	Contact-Handled Transuranic Waste Disposition	<p>Assume the WIPP Waste Acceptance Criteria has changed significantly from current criteria for LANL waste, with additional Acceptable Knowledge (AK) documentation and review will be required for verification of compatibility prior to all WIPP certifications. Assume that CCP will be examining all loading and packaging of containers.</p>
C.4.1	Contact Handled-Transuranic Waste Operations	<p>Assume retrieved waste containers will be in poor condition: 50% of boxes and 30% of drums will be considered breached and in poor condition at time of retrieval and require over-packing at excavation site.</p> <p>Depending on the Offeror's technical approach, modifications and upgrades to the CH-TRU Waste Processing facilities may be required.</p>
C.4.1.1	Above-Grade Drum Remediation	<p>Assume that 100% of the waste will remain TRU waste and there will be a 400% volume increase post processing due to daughter drums.</p> <p>Assume 50% of the secondary wastes (e.g. empty drums) will be characterized as M/LLW.</p>

C.4.1.2	Oversized Container Remediation	<p>Assume that there will be a 50% of the waste volume reduction and it will remain TRU waste.</p> <p>Assume 50% secondary wastes (e.g. gloveboxes and equipment) will be characterized as M/LLW.</p>
C.4.1.3	National Nuclear Security Administration-Owned Newly Generated Contact Handled Transuranic Waste	<p>Assume that 100% of the waste will remain TRU waste and there will be a 400% volume increase post processing due to daughter drums.</p> <p>Assume 50% secondary wastes (e.g. empty drums) will be characterized as M/LLW.</p>
C.4.1.4	Trenches A-D Retrieval and Remediation	<p>Assume that 100% of the waste will remain TRU waste and there will be a 400% volume increase post processing due to daughter drums.</p> <p>Assume 50% of the secondary wastes (e.g. empty drums) will be characterized as M/LLW not TRU.</p>
C.4.1.5	PIT 9 Retrieval and Remediation	<p>Assume 10% beryllium waste may be encountered during retrieval of drums and oversized containers.</p> <p>Assume that 75% of the waste will remain TRU waste and 25% will be characterized as primary M/LLW.</p>
C.4.1.6	Corrugated Metal Pipes Retrieval and Remediation	<p>Assume that 100% of the waste will remain TRU waste and there will be a 100% volume increase post processing due to void space.</p>
C.4.1.7	Other Retrievals and Remediation	<p>Assume that 100% of the waste will remain TRU waste and there will be a 100% volume increase post processing due to void space.</p>
C.4.2	Safety Basis Development and Implementation	<p>EM-LA is funding the development of a new documented Safety Analysis (DSA) consistent with DOE Standard-3009-2014 for Area G that would be implemented under this contract.</p> <p>The new DSA will not be available until after the proposal period has closed, but it's scheduled to be complete prior to the new LLCC Contract being awarded.</p> <p>Therefore, the Offeror should prepare its proposal based on the current BIO and TSR's. The current safety basis documents will be posted on the CBC RFP webpage. Implementation of the new safety basis and TSR's will be managed as a negotiated contract change post award.</p>

The LLCC Contractor will be given the new DSA and TSRs to implement sometime after contract award and completion of transition. DOE anticipates the LLCC Contractor will operate under the current BIO and TSR's until EM-LA approves a transition to the new DSA and TSRs at some future time. The LLCC Contractor will then execute a transition to the new DSA, while continuing to meet existing BIO and TSRs, and develop and implement the necessary new surveillances etc.in order to ensure implementation of the new DSA and TSRs without compromising the existing safety basis. The Offerors shall NOT propose anything based on trying to anticipate the new DSA or TSRs. DOE anticipates questions about the details of the DSA and changes to project procedures will only unfold during the contract period. All safety basis evaluations, reviews, and/or approvals shall be through the EM-LA Office. The EM-LA Manager supported by the EM-LA Director of Safety and Facility Operations will have signature authority and NNSA will not play a direct role in new Area G safety basis and TSRs.

The Contractor with EM-LA approvals is responsible for nuclear safety and downgrading/stepping out of nuclear safety requirements as the risk/hazard changes. EM-LA is responsible for ensuring the authorization basis is being implemented and complied with for facilities undergoing cleanup, hazard reduction and decommissioning (i.e., those in the EM scope area).

The DOE EM Contractor through new DSA and in harmony with their technical approach will have responsibility for preparing updates/modifications to the safety basis in Area G.

The new safety basis documentation will include the entire Area G TRU inventory including below grade retrievals. DOE does not believe the new controls in the new safety basis documents would significantly impact a proposed approach for retrievals operations and surface operations. However upon adopting the new DSA, the Contractor may seek the changes necessary to ensure the new DSA meets their operational needs.

<p><u>C.4.3.2</u></p>	<p><u>Above Ground Container Retrieval, Handling and Storage Operations</u></p>	<p><u>The first years of RANT operation will be principally dedicated to NNSA M&amp;O TRU waste shipments to achieve NNSA mission goals, with minimal comingling of EM TRU waste. Thus, there will be nominal cost sharing during the first years of operation.</u></p> <p><u>The Offerors shall assume \$500K per year cost share impact for the first two years of the Contract for RANT reimbursement and 50% of the operational cost sharing in the remaining years at \$ 1.5M per year for the Contractor's share.</u></p>
<p>C.4.3.3</p>	<p>Waste Isolation Pilot Plant Central Characterization Project Support</p>	<p>Shipments of EM-Los Alamos Legacy CH-TRU waste to WIPP, after it is operational, will be placed in the queue of waste to be shipped to WIPP.</p> <p>For proposal preparation purposes, the Offeror shall assume Legacy CH-TRU waste will receive a total shipping volume of 10 shipments per year from EM-Los Alamos contract scope to WIPP between December 2017 and the end of FY21.</p> <p>For proposal preparation purposes, the Offeror shall assume Legacy CH-TRU waste will receive a total shipping volume of 30 to 40 shipments per year from EM- Los Alamos contract scope to WIPP from FY22 and beyond/finish.</p>
<p>C.4.4</p>	<p>Disposal of LLW in Pit 38 for NNSA</p>	<p>The Offerors shall assume for disposal of LLW in Pit 38 that the estimated disposal capacity for both higher activity LLW and lower activity LLW is based on a disposal efficiency of 50%.</p> <p>The Offerors shall assume that the bulk disposal of soils and debris in the headspace can sometimes be conducted with a disposal efficiency as high as 75%.</p> <p>The Offerors shall assume that the LLW disposal operations require daily inspections by trained and qualified OSHA Competent Personnel.</p> <p>The Offerors shall assume that both open pits will require monthly inspections until the pits are operationally closed.</p> <p>The Offerors shall assume that the operational cover of Pits 37 and 38 require a three-acre cap with a volume of cover material of 35,000 yd<sup>3</sup>.</p>

C.5	Groundwater Monitoring Program	The Offeror shall assume that the variability in regulator-directed changes to the IFGMP from one year to the next will remain consistent throughout the contract.
C.6	Drilling	The Offeror shall assume that the complex hydrogeology across LANL will contribute to difficulties in drilling at least one-quarter of the wells to be installed.
C.7	Surface Water Monitoring	<p>The Offeror shall assume that the seasonal rain season (monsoons) shall stretch from May through August, with at least 12 significant (i.e., greater than ¼ inch of rain in 24 hours) rain events, and with rains in at least six back-to-back day periods.</p> <p>The Offeror shall assume that the peak 24 hour rain event is approximately 1.5 inches and that the seasonal rain (May through August) total in any particular yearly season is approximately 4 inches.</p>
C.8	Individual Permit Surface Water Corrective Action	<p>The Offeror shall assume that volcanic rock making up the surrounding geology has at least arsenic and manganese that, as part of background, cause exceedances of the IP Target Action Levels and that these sites must be closed through alternative analyses instead of stormwater controls.</p> <p>The Offeror shall assume that atmospheric deposition of gross alpha particles from nuclear fallout is the predominant source of gross alpha at IP sites exceeding Target Action Levels and that these sites must be closed through alternative analyses instead of stormwater controls.</p>
C.9	RDX Groundwater Remediation	<p>The Offeror shall understand that, as a discharge permit, DP-1835 included under the chromium remediation only pertains to the chromium injection wells and cannot be applied to RDX.</p> <p>The Offeror shall assume that:</p> <ul style="list-style-type: none"> <li>• contamination can be addressed in the intermediate zone,</li> <li>• concentrations are increasing in the regional aquifer,</li> <li>• a large portion of the remedy can rely on monitored natural attenuation (MNA),</li> <li>• additional wells may be required to monitor effectiveness of MNA,</li> </ul>

		<ul style="list-style-type: none"> <li>• there will be some type of pump and treatment (P&amp;T) in a limited capacity,</li> <li>• injection is not an option and that there will need to be a treatment system; perhaps use of the existing water treatment system at TA-16,</li> <li>• there may be working hour restrictions due to the nature of the explosives work in the TA,</li> <li>• there are still some data gaps associated with the groundwater source and direction of contaminant flow so the contractor will need to address if there are data gaps that need to be addressed or if they can move forward with the CME for groundwater.</li> </ul> <p>The Offeror shall assume that the GAC systems are easy to operate, don't require remote power and would remove RDX which would reduce the concentrations of RDX contamination going back into the intermediate groundwater. There are no other constituents in the springs that are impacting the intermediate or regional aquifer.</p>
C.10	Chromium Groundwater Remediation	<p>The Offeror shall assume that the chromium interim measure is successful at cutting off the tail of the regional aquifer plume such that continued water migration across the LANL boundary is approximately at background concentrations.</p> <p>The Offeror shall assume that any chromium remedy will not require a facility within which to conduct any treatment or contain any specific equipment.</p>
C.11.1	Consent Order Process	<p>The Offeror shall assume that all documents submitted to NMED shall draw comments that require resolution by the Contractor before NMED will grant approval of the document.</p>
C.11.2	Scope by Aggregate Area	<p>The Offeror shall assume that IRs are submitted after (a) work identified in the IWP is concluded AND nature and extent of the sites is defined or (b) remediation of the sites is completed. Unless an agreement has been reached with NMED to address individual sites then a report can be submitted for those individual site/s while the larger IR will be provided at a later date upon completion of the remaining sites.</p> <p>In areas where a SWMU/AOC is located both on non-DOE and DOE land, there is the possibility of</p>

		<p>“splitting” the SWMU/AOC so that each portion can be addressed separately; for example, where SWMUs/AOCs are located on non-DOE land, the typical cleanup risk scenario is based on residential risk; however, the planned land use for DOE land may always remain as industrial or recreational, therefore, not requiring the same level of cleanup. This is definitely an approach that can be considered from sites within Upper LA Canyon AA, Pueblo Canyon AA, and Middle LA Canyon AA.</p> <p>Offeror shall assume that SIRs prepared by the LCBC Contractor present the risk based analysis of all SWMUs/AOCs in an aggregate area where sampling has occurred. Another phase of IWP may be required. The outcome of the SIR is hopefully to reduce the number of sites still requiring investigation so the Contractor will then need to meet with DOE/NMED to determine what is required for the remaining sites (cleanup, additional sampling, etc.).</p>
<p>C.11.2.4</p>	<p>Delta Prime Site Aggregate Area</p>	<p>The Offeror should assume that materials generated will be disposed of off-site based on their waste classification including industrial waste, universal waste, RCRA waste, Low Level Waste (LLW), and Mixed Low Level Waste (MLLW).</p> <p>The Offeror should assume that all removed Industrial waste lines materials and TA-21-257 Building ancillary equipment as MLLW.</p> <p>The Offeror should assume that all materials resulting from the demolition of TA-21-257 Building including walls, ceiling and floor materials will require disposal as LLW.</p> <p>The Offeror should assume that site restoration will utilize clean soils from an offsite source.</p>
<p>C.11.2.5</p>	<p>Middle Los Alamos Canyon AA</p>	<p>The Offeror shall assume that it will review the existing IR and identify the correct requirements for the correct areas. Lead contamination under the Omega Bridge is under the Upper LACAA not the Middle Canyon AA. Cleanup for Middle LA includes a PCB cleanup in the canyon bottom, as well as a possible mercury contamination cleanup.</p>

C.11.2.6	Upper Sandia Canyon Aggregate Area	The Offeror shall assume that the Sandia Wetland doesn't have anything specific to do with the Upper Sandia Canyon AA but is rather part of the surface water impacts being evaluated under the chromium projects.
C.11.2.18	Canon de Valle Aggregate Area	The Offeror shall understand that there is one IWP for TA-15 and TA-16 (combined) and is included as a reference in TA-16 information under the Documents Library. The IWP also includes TA-14; however, that portion of the IWP was already implemented. The Offeror shall assume that the requirements to the 2012 Framework Agreement will require revisions to the Field Implementation Plans for TA-15 and TA-16.
C.12.1	Work Process Including Consent Order	The Offeror shall assume that all documents submitted to NMED shall draw comments that require resolution before approval of the document.
C.12.2.1	Material Disposal Area - A	<p>The Offeror shall assume that all General's Tanks removal activities will be conducted in compliance with Hazard Category 2 Nuclear Facility operations requirements. Following removal of the General's Tanks, MDA-A will be assumed to be conducted as if it is a Hazard Category 3 Nuclear Facility.</p> <p>The Offer shall assume that General's Tank liquids and sludge will be removed and disposed of off-site.</p> <p>The Offeror shall assume the soil and other materials required for the central pit and trenches will be hauled from an offsite borrow source.</p>
C.12.2.2	Material Disposal Area - C	<p>The Offerors shall assume that a preliminary Dose Assessment (Appendix G of the CME) is acceptable to continue working with.</p> <p>The Offerors shall assume that the following Condition of Approval from the July 2010 LASO approved to downgrade the Final Hazard Categorization of MDA-C to below HC-3 (a radiological facility) can be easily met:          "If the MDA-C is scheduled for remediation or intrusive characterization into the radioactive waste inventory, the Hazard Analysis would need to be expanded to include hazards of waste pits and shafts and its contents for consideration of consequences to the public, worker and the environment. Any activity that will challenge the</p>

		<p>assumptions of the hazard analysis would constitute a Potential Inadequate Safety Analysis. If such an event were to occur, the final hazard categorization is required to be re-analyzed and to be approved by LASO.” Can provide the following:</p> <ul style="list-style-type: none"> <li>• July 2010 Memorandum from LASO approving the request for the Final Hazard Categorization (FHC) of MDA C from a HC-2, nuclear facility to a radiological facility.</li> <li>• January 2010 MDA C Final Hazard Categorization (NES-ABD-0700, R.0).</li> <li>• June 2007, DSA for Surveillance and Maintenance of NES at Los Alamos National Laboratory, NES-ABD-0101, R 1.0.</li> <li>• June 2007, TSR for Surveillance and Maintenance of NESs at LANL, R 1.0; NES-ABD-0102, R.1.0.</li> </ul> <p>The Offerors shall assume that the CME identified proposed remedy meets the requirements of the Dose Assessment that the contractor will perform to finalize the design.</p> <p>The Offerors shall assume that NMED will choose the ET cover proposed in the CME. Should NMED have modifications to the proposed remedy or select a different remedy than the contractor is expected to implement, that and the contract would need to be modified accordingly.</p>
C.12.2.3	Material Disposal Area G	<p>The Offeror shall assume the construction of the 54-acre ET cover will not be radiological work.</p> <p>The Offerors shall assume starting the CME in Year 7 of the contract and finishing and submitting the CME for approval in Year 8 of the contract. Statement of Basis support would be provided early in Option Period 2.</p>
C.12.2.4	Material Disposal Area H	<p>The Offeror shall assume the construction of the 1/3-acre ET cover will not be radiological work.</p> <p>The Offerors shall assume starting the CME at the beginning of Option Period 1 and finishing and submitting the CME for approval in Year 7 of the contract. Statement of Basis support would be provided late in Option Period 1.</p>
C.12.2.5	Material Disposal Area - L	<p>The Offeror shall assume the construction of the 1-acre ET cover will not be radiological work.</p>

		<p>The Offerors shall assume starting the CME in Year 7 of the contract and finishing and submitting the CME for approval in Year 8 of the contract. Statement of Basis support would be provided early in Option Period 2.</p>
C.12.2.7	Material Disposal Area - AB	<p>The Offeror shall assume an estimated 100 cubic yards of contaminated soils (i.e., heavy metals) outside the nuclear site boundary will be removed and disposed off-site as RCRA waste</p> <p>The Offeror shall assume shafts are 100 ft deep and diameter of 9 ft.</p> <p>The Offeror shall assume that half of the stockpile material needed for the MDA AB proposed remedy cover will be procured, transported and stockpiled at TA-49 or other nearby area at least 2 years ahead of the start of the construction activities.</p>
	<p>Waste Processing Cost and Waste Quantities Retrieved, Processed, and Dispositioned <del>by Government Fiscal Year (GFY) over the Life of the Contract</del></p>	<p>The Offeror shall assume that the <u>environmental</u> remediation and demolition wastes will be representative of the radiological waste streams that will require disposition. <u>These quantities of wastes do NOT include any additional waste quantities resulting from the processing of transuranic wastes (C.4).</u> The Offeror shall assume that the following total waste volumes by waste classification have to be disposed:</p> <ul style="list-style-type: none"> <li>* LLW: 7000 Cubic Meters</li> <li>* MLLW: 9000 Cubic Meters</li> <li>* TSCA: 1000 Cubic Meters (<u>predominantly PCB wastes</u>)</li> <li>* <u>RCRA: 5000 Cubic Meters (non-radiologically contaminated)</u></li> <li>* UNIVERSAL WASTES: 500 Cubic Meters</li> <li>* INDUSTRIAL WASTES: 1500 Cubic Meters</li> </ul>
Section J, Attachment J-6	Interfaces with the NNSA M&O Contractor	<p>1. For the GIS, the Offeror shall assume that the Contractor shall conduct all data entry into the GIS and produce all maps necessary for reports and work control necessary for the EM work scope under the contract. GIS software shall be maintained by the NNSA M&amp;O Contractor and there are no shared <u>program</u> costs for <u>the</u> software maintenance <u>group</u>. EM requested software changes are minimal and Offerors shall assume \$50,000 per year <u>for the M&amp;O Contractor to provide this service in each of the five years of the base period totaling \$250,000.</u></p>

		<p>2.a. For the IRT and PRID System, the Offeror shall assume it will provide 15 subject matter experts to be trained on various regulatory and permitting subjects to provide review and comment on each project activity entered into the PRID system (e.g., Clean Air Act/Title V Permitting expert, Construction General Permit expert, 404/401 Dredge and Fill Permitting expert, TSCA expert, endangered species expert, etc.). The Offeror shall assume that the NNSA M&amp;O shall provide two subject matter experts on operating permits that cannot be provided by the Contractor. The NNSA SMEs shall be assumed to include Site Program and Infrastructure Projects experts. These NNSA M&amp;O technical SMEs shall provide two hours of project review and two hours for resolution of identified issues for each project activity and 100 individual project activities per year. The <del>Contractor</del> Offeror shall assume <del>that this</del> annual cost <del>is of</del> \$200,000 <del>for the M&amp;O Contractor to</del> <del>(burdened)</del>. <del>The NNSA M&amp;O Contractor shall</del> maintain the PRID software, and EM will NOT share O&amp;M costs of the system – only EM requested software changes.</p> <p>2.b. For the IRT and ExID system, the Offeror shall assume that it has to pay the NNSA M&amp;O Contractor for 2 technical resource hours for in-office technical review of GIS and other DB sources prior to field site clearance and for 3 hours of field resources to mark subsurface buried lines for each project activity for 100 individual project activities per year. The Offeror shall assume <del>that this an</del> annual cost <del>of is</del> \$140,000 <del>for the M&amp;O Contractor to</del> <del>(burdened)</del>. <del>The NNSA M&amp;O Contractor shall</del> maintain the ExID software, and EM will NOT share O&amp;M costs of the system – only EM requested software changes.</p> <p>3. For the EIMS/Intellus interface, the Offeror shall assume three contract modifications are necessary to establish contract charge codes to perform EM scope in those first three months until separate contracts can be established. This is estimated at 10 contracting officer level hours for each modification. <del>The Offeror shall also assume that they shall reimburse the NNSA M&amp;O Contractor for 10 contracting officer level rates per month to accrue costs and make and receive payments until the Contractor can take over the</del> <u>In FY 2017 (only) the Offeror shall assume \$25,000 related to the M&amp;O's administration of the</u></p>
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		<p>EIMS/InTellusNM contract. <del>The Offeror shall assume that this cost is \$25,000 (burdened) to be paid to the NNSA M&amp;O Contractor in the first year.</del> The Offerors shall assume <u>annual</u> cost of \$1,400,000 <del>per year for the M&amp;O Contractor</del> to maintain the LOCUS technologies contract, develop and implement software enhancements to improve functionality and correct issues, and staff to run the contract.</p> <p>4. For the EMS, the Offeror shall assume that it has to provide 12 technical resource hours per month providing data and supporting information and documents to the NNSA M&amp;O. The Offeror shall assume <del>that this annual</del> cost <del>of</del> \$110,000 <del>per year for the M&amp;O Contractor to provide</del> EMS support <del>(burdened) paid to the NNSA M&amp;O Contractor.</del></p> <p>5. For the WCATS, the Offeror shall assume <u>annual cost of \$1.5 Million per year to for in program costs for</u> maintaining information in WCATS, for software changes, and <del>for</del> information sharing from the NNSA M&amp;O Contractor to the Contractor. Since the system will be split, there are no costs owed to the NNSA M&amp;O Contractor.</p> <p>The Offerors shall assume <u>annual cost of \$2.2M for the M&amp;O to provide the</u> <del>that the cost of</del> splitting off the database, <del>maintenance of the information,</del> and maintenance and modification of the software <del>is \$2,200,000 per year (based on last four years).</del></p> <p>6. For the LAMCAS, the Offerors shall assume <u>annual costs of they must reimburse the NNSA M&amp;O Contractor for a portion of the maintenance costs of the software, or \$200,000 per year for the M&amp;O Contractor to maintain software</u> <del>(burdened).</del></p> <p>7. For the Site Treatment Plan (STP), <del>T</del>he Offerors shall assume <u>annual costs of \$150,000 that for the M&amp;O Contractor's coordination of the STP as required</u> <del>with the NNSA M&amp;O Contractor results in a \$150,000 (burdened) payment to the M&amp;O annually.</del></p> <p>8. For the CCATS, the Offeror shall assume all responsibility <del>and \$0 for reimbursement to the NNSA M&amp;O Contractor.</del></p>
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		<p>9. None.</p> <p>10. None.</p> <p>11. For the EPRR, the Offeror shall assume <u>annual costs of \$50,000 for the M&amp;O Contractor to provide that</u> 0.25 FTE <u>for is required for</u> preparing and maintaining documents posted on the EPRR. <u>for an annual cost of \$50,000 per year paid to the NNSA M&amp;O Contractor.</u></p> <p>12. FIMS – the Offeror shall assume that all data entry for facilities transferred from the NNSA M&amp;O Contractor to the LLCC Contractor shall be entered by the LLCC Contractor. Any information for these transferred facilities that may be entered into FIMS by the NNSA M&amp;O Contractor shall NOT be reimbursed by the LLCC Contractor.</p> <p>13. RP IT systems – <u>the Offeror shall assume annual costs of \$150,000 for the M&amp;O Contractor to provide maintained by the NNSA M&amp;O Contractor shall be necessary for</u> LANL reporting and to support the Offerors <u>RP IT</u> systems. <u>The Offerors shall reimburse the NNSA M&amp;O Contractor for \$150,000 per year.</u></p> <p>14. ESCCB – The Offeror shall assume <u>annual costs of \$150,000 for the M&amp;O Contractor to provide that shared</u> software maintenance through the ESCCB <u>portion to be paid by the Offeror is \$150,000 per year.</u></p> <p>15. CHEM Database. None.</p> <p>16. Water, sewage, and electricity is not currently metered to EM facilities. The Offeror shall assume <u>that</u> metering will be installed following contract award. The Offeror shall assume <u>that</u> <u>M&amp;O Contractor will provide</u> potable water, sewage, and electric power <u>at a cost of</u> \$25,000 per month for TA-54 Area-G and \$10,000 per month for Mortandad Canyon Chromium activities. <u>payable to the NNSA M&amp;O Contractor.</u> Temporary or portable sanitary solid waste facilities shall be the responsibility of the Offeror. The Offeror shall provide for all road maintenance, snow removal, sanitary solid waste disposal, recycling, etc. for EM Operational Control Areas.</p> <p>17. For training programs, the Offeror shall assume that each employee will have to take six</p>
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		<p>hours per year of NNSA M&amp;O On-Line and classroom training to obtain and maintain access to the facility. The Offeror shall also assume that it will have to reimburse the NNSA M&amp;O Contractor for 900 hours a year for a training program specialist for EM's share of the training program costs. The Offeror shall assume <u>annual costs of training program cost of \$150,000 per year reimbursed to the NNSA M&amp;O Contractor. for the M&amp;O Contractor to provide t</u>Training required for work scope such as Hazwoper and other regulatory support and qualification is to be proposed by the Offeror.</p> <p>18a. For S&amp;S programs, the Offeror shall assume <del>that</del> each employee will have to take 3 hours of initial or annual refresher security training on-line. The Offeror shall also assume that it will have to reimburse the NNSA M&amp;O Contractor for 900 hours a year for a security program specialist for EM's share of the program costs. The Offeror shall assume <u>annual costs of \$80,000 for the M&amp;O Contractor to provide a</u> training program <del>cost of \$80,000 per year reimbursed to the NNSA M&amp;O Contractor.</del></p> <p>18b. For a portion of the S&amp;S program, the Offerors shall assume <u>annual costs of \$450,000 to that they shall</u> implement the Site Security Plan <u>(for maintenance of documents, inspections, reports, security incident reporting)</u> where necessary on LANL property and <del>that</del> the separate security plan for non-LANL facilities <del>has an incurred cost for the Contractor of \$450,000 per year for maintenance of documents, inspections, reports, security incident reporting, etc.</del></p> <p>18c. For a portion of the S&amp;S program, the Offerors shall assume <u>annual costs of \$450,000 to that they shall</u> implement any necessary Material Control and Accountability programs including waste material tracking and release for disposal of radiological constituents for a program <del>cost of \$450,000 per year for maintenance of systems, reports, manifests, and release sheets for shipments.</del></p> <p>18d. For a portion of the S&amp;S program, the Offerors shall assume <u>annual costs of \$250,000 for that</u> classification reviews <u>of cost the contractor \$250,000 per year for in-house reviews</u></p>
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		<p><del>of</del> documents prepared by the <u>Offeror</u><del>Contractors</del>.</p> <p>19. IT Cyber Security programs. For those systems that the Offeror has to obtain access for the NNSA M&amp;O Contractor-owned systems, the Contractor shall estimate paying the NNSA M&amp;O Contractor \$250,000 per year to provide access through the M&amp;O firewalls for the LLCC Contractor personnel.</p> <p>20. For personnel badging, the Offeror shall assume <del>that it will</del> <u>costs of \$200 each for the M&amp;O Contractor to provide each</u> for initial and replacement badges.</p> <p>21. For foreign national visits, the Offeror shall assume <del>that it will</del> <u>costs of \$4,000 per year for the NNSA M&amp;O Contractor to complete credential checking, identity verification, and temporary badging.</u></p> <p>The Offeror shall assume it has to provide escorts as necessary, with each escort individual costing \$2,000 (<u>Escorts are provided by the M&amp;O Contractor</u>) to be trained through on-line training <del>by the NNSA M&amp;O Contractor</del> to the site requirements.</p> <p>22a. The Offeror shall assume <del>an annual</del> <u>costs of \$750,000 for the M&amp;O Contractor payment to the NNSA M&amp;O Contractor of \$750,000 per year to cover apportioned costs</u> to keep the Occupational Medical facilities open for first diagnosis, radiological exposure evaluations and nasal smears, radiological cleaning of personnel, periodic monitoring programs, annual dose reporting, etc.</p> <p>22b. The Offerors shall assume <u>annual costs of \$475,000 for the M&amp;O Contractor to provide that the cost of</u> specific medical surveillance programs for approximately 60 employees including beryllium exposure monitoring program and radiological bioassay programs, <del>results in an</del> <u>annual cost of \$475,000 per year (burdened) to the NSNA M&amp;O Contractor for this portion of the occupational medicine programs.</u></p> <p>23. <u>The Offeror shall assume annual costs of \$450,000 for the M&amp;O Contractor to provide</u> <del>For</del> Emergency Management Response including program readiness and drill management, false</p>
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		<p>alarms and actual emergency events <del>will cost \$450,000 to the NNSA M&amp;O Contractor per year.</del></p> <p><u>The Offeror shall assume annual costs of \$500,000 for the M&amp;O Contractor to provide</u> HazMat response for more than incidental dripping (which shall be cleaned up by the LLCC Contractor) <del>shall be estimated at \$500,000 per year (burdened) to the NNSA M&amp;O Contractor.</del></p> <p>The Offeror shall assume \$0 for emergency event communications for Doppler radar and fire hazard days made by the NNSA M&amp;O Contractor to the EM Operational Controlled areas. <del>There will not be any costs to notify the LLCC Contractor.</del></p> <p>24. For the EOC, the Offeror shall assume <u>annual costs of \$5,000 for the M&amp;O Contractor to provide a</u> senior manager <del>will have</del> to respond to the EOC four times a year during fire season for a half day each event. - Also, the Offeror shall assume technical staff <del>are</del> <u>is</u> necessary to support the senior manager with 20 hours (total) of material preparation on EM work and controlled areas <del>per year. The Offeror shall assume that this costs \$5,000 per year (burdened).</del></p> <p>25. For communications, the Offeror shall assume that any configuring of replacement telecommunications system (radio equipment) will need to be configured by the NNSA M&amp;O Contractor to match the radio tower system without substantial expense.</p> <p>26. For analytical laboratories, the Offeror shall assume three contract modifications are necessary to establish contract charge codes to perform EM analytics in those first three months until separate contracts can be established. This is estimated at 20 contracting officer level hours for each modification for an estimated cost of \$9,000. The Offeror shall also assume that it will reimburse the NNSA M&amp;O Contractor for 20 contracting specialist level hours per month to accrue costs and make and receive payments for an estimated \$6,000.</p> <p>27. For Airnet monitoring, the Offeror shall assume it will reimburse the NNSA M&amp;O Contractor for 0.5 FTE for a Title V permitting resource, 0.5 FTE for one field sample collection resource per year, 11 Airnet monitoring stations</p>
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		<p>and battery or solar panel maintenance per year for a total of \$175,000 <del>(burdened)</del>. The Offerors shall <del>also</del> assume <u>annual cost of \$35,000 for the M&amp;O Contractor to provide</u> <del>that</del> specific sampling analytical costs for EM locations <del>reimbursed to the NNSA M&amp;O Contractor is \$35,000.</del></p> <p>28. Human Health and Ecological Risk Assessment Program <del>(HHERAP)</del>. The Offeror shall assume <u>annual costs of it will have to pay the NNSA M&amp;O Contractor \$100,000 per year for the M&amp;O Contractor to provide HHERAPse services</u> <del>(burdened)</del>.</p> <p>29. Facility Operations Directorate (FOD). The Offeror shall assume that each FOD will pay for its own support. There will be no reimbursable charges for its performance.</p> <p>30. Internet Access. The Offerors shall assume that there <del>is</del> <u>are</u> no costs associated with the NNSA M&amp;O Contractor allowing the access to ESNet for those personnel located at TA-54, Area G to access the internet through ESNet without having to go through the LANL security firewalls. The Contractor shall propose the ESNet access fees within their proposals for those personnel within the TA-54 EM operational controlled area.</p> <p>31. LANL Taxi. The assumption is <del>that</del> there is no charge for taxi service between EM facilities and LANL facilities for the use of this service.</p> <p>32. Explosive ordnance disposal. The Offerors shall assume <u>annual costs of \$100,000 for the M&amp;O Contractor to that costs associated with the NNSA M&amp;O Contractors provide</u> disposal of EM-identified ordnance <del>costs \$100,000 per year (burdened) in payment to the NSNA M&amp;O Contractor.</del></p> <p>33. Core Facility – The Offerors shall assume <u>annual costs of \$50,000 for the M&amp;O Contractor to provide that the maintenance of core facility costs for the EM portion of the facility is \$50,000 per year.</u></p> <p>34. Roads and Grounds. The Offerors shall assume <u>annual costs of \$250,000 for the M&amp;O Contractor to that they pay the NNSA M&amp;O Contractor for bringing</u> in road equipment to maintain those EM operationally controlled roads</p>
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		<p>(see map). <del>The estimate for this road maintenance is \$250,000 per year.</del> The Offerors shall assume <del>that they</del><u>it does</u> NOT contribute to NNSA M&amp;O maintained roads or general LANL grounds.</p> <p>35. SWEIS Yearbook – The Offerors shall assume <u>annual costs of \$50,000 for the M&amp;O Contractor to provide that</u> ¼ of an FTE <del>is required</del> annually to provide status of EM progress and to provide a technical review of the draft yearbook <del>for \$50,000 per year.</del></p> <p>36. The Offerors shall assume that fire response and law enforcement for all of the Contractor’s EM related activities will be covered by EM-LA (or NA-LA) payments into the combined Los Alamos County Department of Public Safety and will not be paid for by the Contractor.</p>
<p>Section J, Attachment J-16</p>	<p>MOUs</p>	<p>The Offeror shall assume that the conditions and interfaces included in the CCP/LANL Interface Document are to be replicated in a new interface document specifically for EM Contractor interfaces within TA-54, Area G. This interface document shall also address changes required from the recent revision of the new WIPP WAC. This interface document will NOT address any NNSA M&amp;O Operational Facilities outside of Area G.</p>
	<p>Employee services</p>	<p>The NNSA M&amp;O Contractor has established systems of email and pager notifications for communicating emergency conditions and notifications, cautions such as for wild animal sightings, weather closures of the Laboratory. The Offerors shall assume that the NNSA M&amp;O Contractor shall continue to provide these services at no specific cost to the Contractor. The Contractor shall enroll its personnel in the email notification systems and allow their employees to self-enroll in the weather notification systems as appropriate at no charge.</p>

**Assumptions - Campaign and PWS Section Cross Walk to Contract Periods**

Priority CO-#; EM-LA-A-Z	Base Program or Campaign Scope	PWS Elements	Transition Period CLIN	Base Period CLINs	Option Period 1 CLINs	Option Period 2 CLINs	Assumptions on Starts & Completion
LA-A	Incoming Contract Transition - Non-Campaign	C.2	00001				
LA-B	Program Management and General Requirements - Non-Campaign	C.3		00002 & 00003	00005 & 00006	00008 & 00009	
LA-C	Contact-Handled Transuranic Waste Disposition - Non-Campaign	C.4		00002 - 55%	00005 - 35%	00008 - 10%	Percentages of CH-TRU per period are from draft PEMP. See Section J, Attachment J-17
LA-D	Groundwater Monitoring Program - Non-Campaign	C.5		00003	00006	00009	Consistent effort over the course of the contract (Base plus Options).
LA-E	Drilling - Non-Campaign	C.6		00003	00006	00009	Drilling needs are defined in the PWS for the first two years of the Base Period. Drilling needs for the balance of the contract period will be consistent with the first two years.
LA-F	Surface Water Monitoring - Non-Campaign	C.7		00003	00006	00009	Consistent from year to year.
LA-G	Individual Permit Surface Water Corrective Actions - Non-Campaign	C.8		00003	00006	00009	Anticipated consistent effort required in each contract year of <u>the Base Period</u> . Anticipated 50% reduction <b>(from a year in the Base Period)</b> in effort in each <u>year of</u> Option Period <b>1</b> and a 50% reduction <b>(from a year in Option Period 1)</b> in effort in each <u>year of</u> Option Period <b>2</b> because previous work will come off permit.
CO-1	Chromium Interim Measures and Characterization Campaign	C.10.1-6		00003			Anticipated that the Interim Measure will continue to run until final remedy selected.
CO-9	Chromium Final Remedy Campaign	C.10.7-9		00003	00006		Corrective Measures Evaluation and remedy selection overlap in Base Period, construction starts in base and completes early in Option Period 1. Operation begins in Option Period 1 and continues throughout Option Period 2.
	Chromium Final Remedy Campaign-Operations	C.10.			00006	00009	
CO-2	Historical Properties Campaign	C.11.2.1-3, C.11.2.5		00003			Anticipated to be completed early in the third contract year.
CO-3	RDX <del>Interim</del>	C.9.1		00003			Anticipated continuation of <u>characterization</u>

	<u>Measures Characterization</u>						activities on assumption of contract, any construction <u>of infrastructure for characterization activities</u> within first two contract years, <del>and completion before end of Base Period.</del>
Priority CO-#; EM-LA-A-Z	Base or Campaign Scope	PWS Elements	Transition Period CLIN	Base Period CLINs	Option Period 1 CLINs	Option Period 2 CLINs	Assumptions on Starts & Completion
CO-4	Supplemental Investigation Reports (SIR) Campaign	C.11.2.7-11, C.11.2.16, C.11.2.18, C.11.2.21, C.11.2.22, C.11.2.25-27		00003			Anticipated continuation of activities on assumption of contract with first documents having been submitted. Assumed to be completed in the first contract year.
CO-5	TA-21 D&D and Cleanup Campaign	C.11.2.4		00003			Anticipated to be completed by the end of the third contract year.
CO-6	RDX Final Remedy Campaign	C.9.2-5		<u>00003</u>	<u>00006</u>	<u>00009</u>	Anticipated continuation of <u>remedy development activities</u> <del>on assumption of contract within the first two years of the contract</del> , any construction <del>within first two contract years</del> , and <u>initial operation of any remedy infrastructure completion before the end of the Base Period, and operation and performance monitoring of any remedy infrastructure through Options Periods 1 and 2 of the Contract.</u>
CO-7	Known Sites Cleanup (Above SSLs) Campaign	Several		00003			Anticipated to be completed by the end of the third contract year.
LA-H	General's Tanks Removal – Non-Campaign	C.12.2.1.1		00003			Anticipated not to be started until after buried waste piping has been excavated and the road restored for use from building TA-21-257 past the DP West Slab location (part of the TA-21 D&D and Cleanup Campaign-CO-5). Anticipated to be completed by the end of the

							third contract year.	
CO-8	Material Disposal Areas (MDA) – A & - T Remedy Campaign	C.12.2.2-3 & C.12.2.7			00003	00006	Anticipated that the additional characterization and corrective measures evaluation will be conducted concurrently with the end of the TA-21 D&D and Cleanup Campaign activities (above). Anticipated that the construction of the remedy project activities will be started and completed within Option Period 1.	
<u>CO-8</u>	<u>Individual Permit Surface Water Corrective Actions – Non-Campaign</u>	<u>C.8</u>			<u>00003</u>	<u>00006</u>	<u>00009</u>	<u>Anticipated consistent effort required in each contract year of the base period. Anticipated 50% reduction (from a year in the Base Period) in effort in each year of Option Period 1 and a 50% reduction (from a year in Option Period 1) in effort in each year of Option Period 2, because previous work will come off permit.</u>
<b>Priority CO-#; EM-LA-A-Z</b>	<b>Base or Campaign Scope</b>	<b>PWS Elements</b>	<b>Transition Period CLIN</b>	<b>Base Period CLINs</b>	<b>Option Period 1 CLINs</b>	<b>Option Period 2 CLINs</b>	<b>Assumptions on Starts &amp; Completion</b>	
CO-10	Southern Boundary Protection Campaign	C.11.2.20, C.11.2.23, C.11.2.24			00003	00006	Anticipated that this campaign will start in the last contract year or two of the Base Period and will be completed within Option Period 1. Sequence of aggregate area parts up to contractor.	
CO-11	MDA-C Remedy Campaign	C.12.2.2			00003	00006	Anticipated engineering conducted in mid-Base Period, construction starting in base but completion in Option Period 1. Post-construction monitoring in Option Period 1. Sequence up to contractor.	
CO-12	Sandia Canyon Watershed Campaign	C.11.2.6, C.11.2.7, C.11.2.8, C.11.2.9, C.11.2.10, C.11.2.11, C.11.2.12,			00003	00006	Anticipated start late in Base Period but completing in Option Period 1. Sequence of aggregate area parts up to contractor.	

		C.11.2.13						
CO-13	Pajarito Watershed Campaign (172 SWMUs)	C.11.2.14, C.11.2.15, C.11.2.16, C.11.2.17				00006	Anticipated to start and complete in Option Period 1 but after significant progress on Sandia Canyon Watershed Campaign (above). Sequence of aggregate area parts up to contractor.	
CO-14	Upper Water Watershed Campaign (279 SWMUs)	C.11.2.18, C.11.2.19, C.11.2.25				00006	00009	Anticipated to start in Option Period 1 but after significant progress on Pajarito Watershed Campaign (above). Sequence of aggregate area parts up to contractor.
CO-15	MDA-AB Remedy Campaign	C.12.2.7, C.11.2.26, C.11.2.27				00006	00009	Anticipated to start in Option Period 1 but to be logically sequenced after the MDA-C Remedy Campaign (above).
<b>Priority CO-#; EM-LA- A-Z</b>	<b>Base or Campaign Scope</b>	<b>PWS Elements</b>	<b>Transition Period CLIN</b>	<b>Base Period CLINs</b>	<b>Option Period 1 CLINs</b>	<b>Option Period 2 CLINs</b>	<b>Assumptions on Starts &amp; Completion</b>	
CO-16	MDA-H Remedy Campaign	C.12.2.4				00006	00009	Anticipated to start with CME development at the beginning of Option Period 1 and statement of basis support late in Option Period 1 and complete in Option Period 2.
CO-17	MDAs –G and –L Remedy Campaigns	C.12.2.3, C.12.2.5  C.11.2.6				00006	00009	Anticipated to start preparing a CME for remedy projects through CME in Option Period 1 years 7 and 8 of the contract and statement of basis late in Option Period 1 and through Option Period 2. This campaign will not proceed to construction during this contract.  The SVE will be conducted starting after the NTP – in advance of the CME development.