

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 10
2. AMENDMENT/MODIFICATION NO. 0487	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 MS: H6-60 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WASHINGTON RIVER PROTECTION SOLUTIONS LLC Attn: Keven Mabe Washington River Protection Solutions LLC 2425 Stevens Center Pl Richland WA 99354-1874		9A. AMENDMENT OF SOLICITATION NO. (x)	
CODE 806500521		FACILITY CODE	
9B. DATED (SEE ITEM 11)		10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-08RV14800	
10B. DATED (SEE ITEM 13) 05/29/2008		11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS	
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended. <input type="checkbox"/> 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 X	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. FAR 52.243-2, Changes-Cost Reimbursement (AUG 1987)
	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 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
 The purpose of this modification is to add the Comprehensive Vapor Action Plan Key Performance Parameters work scope to the contract as a result of negotiations in April. Further details regarding this modification can be found in the continuation pages.
 FOB: Destination
 Period of Performance: 06/20/2008 to 09/30/2018

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) Katie Downing, Contracts Mgr.	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Wade E. Hader
15B. CONTRACTOR/OFFEROR KOR	15C. DATE SIGNED 5/24/18
15D. UNITED STATES OF AMERICA	16B. DATE SIGNED 24 May 2018

Continuation of Block 14. Description of Amendment/Modification

1. The purpose of this modification is to definitize the Comprehensive Vapor Action Plan Key Performance Parameters Implementation, and incorporate the statement of work found in ORP letter 16-TF-0089, dated August 30, 2016, and further clarified and agreed to by the ORP Contracting Officer in various communications (see Significant Correspondence Matrix under number 3 below). WRPS submitted its proposal (WRPS-1700039 R1) on June 8, 2017 followed by Errata information (WRPS-1703578.5) submitted on January 23, 2018. The addition of this new scope for Fiscal Years 2016 through 2018 increases costs in the amount of \$90,068,304.50 and the fee in the amount of \$6,149,122.68, for a total increase in contract value of \$96,217,427.18. The costs and fee are incorporated in the B.4-1 Table by sub-CLIN and Fiscal Year as follows:

Comprehensive Vapor Action Plan Key Performance Parameters (CP-17-009)	FY 2014	FY 2015	FY 2016	Total
SubCLIN 1.2.1 - Safe, Compliant Operations			\$13,719.98	\$13,719.98
SubCLIN 1.2.2 - Base Operations Indirect Costs (G&A Only)			\$1,964.85	\$1,964.85
SubCLIN 6.1 - Hanford Employee Retirement & Benefit Plan Management				\$0.00
Subtotal Cost	\$0.00	\$0.00	\$15,684.83	\$15,684.83
Fee increase				
Total Increase Cost plus Fee - Option Period 2	\$0.00	\$0.00	\$15,684.83	\$15,684.83

Comprehensive Vapor Action Plan Key Performance Parameters (CP-17-009)	FY 2017	FY 2018	Total
SubCLIN 1.2.1 - Safe, Compliant Operations	\$28,336,899.82	\$48,544,798.55	\$76,881,698.37
SubCLIN 1.2.2 - Base Operations Indirect Costs (G&A Only)	\$4,326,259.09	\$6,696,442.04	\$11,022,701.13
SubCLIN 6.1 - Hanford Employee Retirement & Benefit Plan Management	\$893,052.11	\$1,255,168.07	\$2,148,220.18
Subtotal Cost	\$33,556,211.02	\$56,496,408.66	\$90,052,619.68
Fee increase			\$6,149,122.88
Total Increase Cost plus Fee - Option Period 2	\$33,556,211.02	\$56,496,408.66	\$96,201,742.56

- 1.1. As a result of this modification, the Contract Value is changed from \$6,176,125,663 to \$6,272,343,090. Section B, Table B.4-1, sub-CLIN 1.2.1, sub-CLIN 1.2.2, sub-CLIN 6.1, and Total Contract Price are changed as follows:

From:

Table B.4-1 Contract Cost and Contract Fee

CLIN	Sub-CLIN	Auth	Transition	Base Period						Option Period 1				Option Period 2			Contract Totals
			FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Totals	FY 2014	FY 2015	FY 2016	Totals	FY 2017	FY 2018	Totals	Totals
CLIN 1 Base Operations	1.1	A	5,494,000	0	0	0	0	0	0	0	0	0	0	0	0	0	5,494,000
	1.2.1	A	0	108,317,537	130,557,912	139,669,524	138,592,209	176,874,583	694,011,765	215,393,005	263,916,621	266,340,038	745,649,664	274,172,705	296,293,490	570,466,195	2,010,127,624
	1.2.2	A	0	29,509,468	33,281,799	30,647,681	44,176,825	44,686,448	182,302,220	50,067,447	64,548,833	74,301,765	188,918,044	82,978,375	75,786,735	158,765,110	529,985,375
	1.3	A	0	18,551,276	19,732,180	22,296,216	23,131,428	23,312,148	107,023,247	31,337,058	28,332,863	38,336,520	98,006,442	35,663,162	38,314,396	73,977,558	279,007,247
CLIN 2 SST Retrv. & Closure	2.1	A	0	57,403,068	72,752,511	75,625,974	84,296,755	94,643,864	384,722,172	57,660,167	85,223,580	75,318,771	218,202,518	135,716,746	106,716,346	242,433,092	845,357,782
	2.2	A	0	1,385,657	2,367,273	3,266,018	381,496	512,554	7,912,998	2,599,094	5,833,999	6,809,247	15,242,341	11,619,748	5,021,213	16,640,961	39,796,299
CLIN 3 WTP Support	3.1	A	0	7,973,682	17,498,036	20,512,679	36,090,531	27,944,842	110,019,770	31,749,229	20,891,238	28,897,200	81,537,667	39,026,289	40,102,027	79,128,316	270,685,752
	3.2	A	0	926,406	3,845,905	2,538,026	3,272,674	2,588,147	13,171,157	10,476,468	8,599,876	7,592,900	26,669,244	4,906,519	7,885,158	12,791,676	52,632,077
	3.3	A	0	829,600	3,462,842	2,535,361	3,317,522	309,605	10,454,929	3,620,997	3,802,246	3,160,391	10,583,634	5,381,899	6,663,654	12,045,553	33,084,116
	3.4	A	0	158,274	544,884	1,787,451	4,212,966	39,542	6,743,117	3,410,480	8,409,962	23,842,851	35,663,293	17,041,491	18,574,334	35,615,825	78,022,235
CLIN 4 Supplemental Treatment	4.1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.3	A	0	0	2,798,664	8,547,404	976,925	4,795,858	17,118,850	5,053,483	6,051,885	9,996,859	21,102,227	0	0	0	38,221,077
	4.4	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.5		0	2,412	0	0	110,034	375,222	487,668	702,630	0	0	702,630	0	0	0	1,190,298
CLIN 5 Early Feed & Operation of the WTP LAW	5.1		0	0	0	0	0	0	0	3,680,340	23,564,930	27,530,451	54,775,721	44,689,328	4,741,662	49,430,991	104,206,712
	5.2		0	0	0	0	0	0	0	0	0	63,708	63,708	0	0	0	63,708
	5.3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5.4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLIN 6 Pension & Welfare Plans	6.1	A	0	14,203,459	19,021,014	16,942,123	23,321,065	26,803,599	100,291,259	33,352,743	38,351,442	40,472,682	112,176,866	40,178,620	38,675,519	78,854,139	291,322,265
	6.2	A	0	71,526,845	146,785,096	90,633,410	79,044,602	122,161,289	510,151,241	123,154,662	118,009,763	113,994,558	355,158,983	54,236,000	53,847,000	108,083,000	973,393,224
Base Contract Sub-Totals	Contract Cost		5,494,000	310,787,683	452,648,115	415,001,865	440,925,030	525,047,701	2,144,410,395	572,257,802	675,537,238	716,657,942	1,964,452,982	745,610,881	692,621,534	1,438,232,415	5,552,589,791
	Available Fee ¹		0	14,902,548	21,704,882	19,899,711	21,142,750	24,524,804	102,174,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	96,535,011	299,673,524
	Contract Price		5,494,000	325,690,231	474,352,998	434,901,576	462,067,780	549,572,505	2,246,585,089	597,330,994	705,537,238	TBD	2,065,416,801	TBD	TBD	1,534,767,426	5,852,263,316
CLIN 7 American Recovery and Reinvestment Act (ARRA)	7.1	A	0	18,542,771	82,696,778	87,820,906	0	0	189,060,455	0	0	0	0	0	0	0	189,060,455
	7.2	A	0	2,444,642	15,043,442	17,382,721	0	0	34,870,804	0	0	0	0	0	0	0	34,870,804
	7.3	A	0	3,599,231	20,087,000	26,950,992	0	0	50,637,222	0	0	0	0	0	0	0	50,637,222
	7.4	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7.5	A	0	820,051	2,960,284	4,272,691	0	0	8,053,026	0	0	0	0	0	0	0	8,053,026
	7.6	A	0	0	8,620,572	10,278,267	0	0	18,898,839	0	0	0	0	0	0	0	18,898,839
CLIN 8 Contract Closeout	8.1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRA & Contract Closeout	Contract Cost		0	25,406,695	129,408,075	146,705,577	0	0	301,520,347	0	0	0	0	0	0	0	301,520,347
	Available Fee		0	2,853,000	11,180,000	8,309,000	0	0	22,342,000	0	0	0	0	0	0	0	22,342,000
	Sub-Totals	Contract Price	0	28,259,695	140,588,075	155,014,577	0	0	323,862,347	0	0	0	0	0	0	0	323,862,347
Contract Totals	Contract Cost		5,494,000	336,194,379	582,056,190	561,707,442	440,925,030	525,047,701	2,445,930,742	572,257,802	675,537,238	716,657,942	1,964,452,982	745,610,881	692,621,534	1,438,232,415	5,854,110,138
	Available Fee ¹		0	17,755,548	32,884,882	28,208,711	21,142,750	24,524,804	124,516,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	96,535,011	322,015,524
	Contract Price		5,494,000	353,949,926	614,941,072	589,916,153	462,067,780	549,572,505	2,570,447,436	597,330,994	705,537,238	TBD	2,065,416,801	TBD	TBD	1,534,767,426	6,176,125,663

To:

Table B.4-1 Contract Cost and Contract Fee

CLIN	Sub-CLIN	Auth	Transition	Base Period						Option Period 1				Option Period 2			Contract Totals	
				FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Totals	FY 2014	FY 2015	FY 2016	Totals	FY 2017	FY 2018		Totals
				5,494,000	0	0	0	0	0	0	0	0	0	0	0	0	0	5,494,000
CLIN 1 Base Operations	1.1 ¹	A		0	108,317,537	130,557,912	139,669,524	138,592,209	176,874,583	694,011,765	215,393,005	263,916,621	266,353,758	745,663,384	302,509,605	344,838,288	647,347,893	2,087,023,042
	1.2.1	A		0	29,509,468	33,281,799	30,647,681	44,176,825	44,686,448	182,302,220	50,067,447	64,548,833	74,303,730	188,920,009	87,304,634	82,483,177	169,787,811	541,010,041
	1.3	A		0	18,551,276	19,732,180	22,296,216	23,131,428	23,312,148	107,023,247	31,337,058	28,332,863	38,336,520	98,006,442	35,663,162	38,314,396	73,977,558	279,007,247
CLIN 2 SST Retrv. & Closure	2.1	A		0	57,403,068	72,752,511	75,625,974	84,296,755	94,643,864	384,722,172	57,660,167	85,223,580	75,318,771	218,202,518	135,716,746	106,716,346	242,433,092	845,357,782
	2.2	A		0	1,385,657	2,367,273	3,266,018	381,496	512,554	7,912,998	2,599,094	5,833,999	6,809,247	15,242,341	11,619,748	5,021,213	16,640,961	39,796,299
CLIN 3 WIP Support	3.1	A		0	7,973,682	17,498,036	20,512,679	36,090,531	27,944,842	110,019,770	31,749,229	20,891,238	28,897,200	81,537,657	39,026,289	40,102,027	79,128,316	270,685,752
	3.2	A		0	926,406	3,845,905	2,538,026	3,272,674	2,588,147	13,171,157	10,476,468	8,599,876	7,592,900	26,669,244	4,906,519	7,885,158	12,791,676	52,632,077
	3.3	A		0	829,600	3,462,842	2,535,361	3,317,522	309,605	10,454,929	3,620,997	3,802,246	3,160,391	10,583,634	5,381,899	6,663,654	12,045,553	33,084,116
	3.4	A		0	158,274	544,884	1,787,451	4,212,966	39,542	6,743,117	3,410,480	8,409,962	23,842,851	35,663,293	17,041,491	18,574,334	35,615,825	78,022,235
CLIN 4 Supplemental Treatment	4.1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4.2			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4.3	A		0	0	2,798,664	8,547,404	976,925	4,795,858	17,118,850	5,053,483	6,051,885	9,996,859	21,102,227	0	0	0	38,221,077
	4.4	A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4.5			0	2,412	0	0	110,034	375,222	487,668	702,630	0	0	702,630	0	0	0	1,190,298
CLIN 5 Early Feed & Operation of the WIP LAW	5.1			0	0	0	0	0	0	3,680,340	23,564,930	27,530,451	54,775,721	44,689,328	4,741,662	49,430,991	104,206,712	
	5.2			0	0	0	0	0	0	0	0	63,708	63,708	0	0	0	63,708	
	5.3			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5.4			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLIN 6 Pension & Welfare Plans	6.1	A		0	14,203,459	19,021,014	16,942,123	23,321,065	26,803,599	100,291,259	33,352,743	38,351,442	40,472,682	112,176,866	41,071,672	39,930,687	81,002,369	293,470,485
	6.2	A		0	71,526,845	146,785,096	90,633,410	79,044,602	122,161,289	510,151,241	123,154,662	118,009,763	113,994,558	355,158,983	54,236,000	53,847,000	108,083,000	973,393,224
Base Contract Sub-Totals	Contract Cost			5,494,000	310,787,683	452,648,115	415,001,865	440,925,030	525,047,701	2,144,410,395	572,257,802	675,537,238	716,673,627	1,964,468,667	779,167,092	749,117,943	1,528,285,034	5,642,658,096
	Available Fee ¹			0	14,902,548	21,704,882	19,899,711	21,142,750	24,524,804	102,174,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	102,684,134	305,822,647
	Contract Price			5,494,000	325,690,231	474,352,998	434,901,576	462,067,780	549,572,505	2,246,585,089	597,330,994	705,537,238	TBD	2,065,432,485	TBD	TBD	1,630,969,168	5,948,480,743
CLIN 7 American Recovery and Reinvestment Act (ARRA)	7.1	A		0	18,542,771	82,696,778	87,820,906	0	0	189,060,455	0	0	0	0	0	0	0	189,060,455
	7.2	A		0	2,444,642	15,043,442	17,382,721	0	0	34,870,804	0	0	0	0	0	0	0	34,870,804
	7.3	A		0	3,599,231	20,087,000	26,950,932	0	0	50,637,222	0	0	0	0	0	0	0	50,637,222
	7.4	A		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7.5	A		0	820,051	2,960,284	4,272,691	0	0	8,053,026	0	0	0	0	0	0	0	8,053,026
7.6	A		0	0	8,620,572	10,278,267	0	0	18,898,839	0	0	0	0	0	0	0	18,898,839	
CLIN 8 Contract Closeout	8.1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ARRA & Contract Closeout Sub-Totals	Contract Cost			0	25,406,695	129,408,075	146,705,577	0	0	301,520,347	0	0	0	0	0	0	0	301,520,347
	Available Fee			0	2,853,000	11,180,000	8,309,000	0	0	22,342,000	0	0	0	0	0	0	0	22,342,000
	Contract Price			0	28,259,695	140,588,075	155,014,577	0	0	323,862,347	0	0	0	0	0	0	0	323,862,347
Contract Totals	Contract Cost			5,494,000	336,194,379	582,056,190	561,707,442	440,925,030	525,047,701	2,445,930,742	572,257,802	675,537,238	716,673,627	1,964,468,667	779,167,092	749,117,943	1,528,285,034	5,944,178,443
	Available Fee ¹			0	17,755,548	32,884,882	28,208,711	21,142,750	24,524,804	124,516,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	102,684,134	328,164,647
	Contract Price			5,494,000	353,949,926	614,941,072	589,916,153	462,067,780	549,572,505	2,570,447,436	597,330,994	705,537,238	TBD	2,065,432,485	TBD	TBD	1,630,969,168	6,272,343,090

2. Attached to this modification is the replacement page of Section B, page B-6.
3. The following matrix provides the significant scope agreements made between the parties:

Contract Modification 487 Scope Significant Correspondence Matrix

Item	Letter Number	Date	Purpose/Subject	Deliverable
1	16-TF-0089/ 1603807	8/30/16	WRPS to continue activities in support of the following FY 2017 scope, not-to-exceed \$15,000,000, pending submittal and evaluation of recommendations resulting from Vapor Implementation Plan Phase 1 activities:	<ul style="list-style-type: none"> - Support the DOE-ORP evaluation and analysis of WRPS Implementation Plan recommendations, including weekly meetings with ORP to mature program strategies. - Risk communication - Vapor pilot scale testing. - Chemical cartridge testing. - Supporting laboratory analysis. - Strategic vapor studies and IH technical basis enhancements. - PTR-MS lease and continued campaigns. - Waste disturbing head space and stack sampling. - Field communication system enhancements.
2	WRPS- 1603807.1	9/14/16	TVAT Phase 2 Scope Clarification - Authorization to include the Chemical Protection Program Management Office.	<ul style="list-style-type: none"> - Establish a Chemical Protection Program Office for the Tank Operations Contract. This office will focus on supporting the Chemical Protection Integration Manager and improving stakeholder communications and overall program integration. The program model will apply significant elements of the successful WRPS Recovery Act Program Office model in addressing chemical vapors challenges. Assist with addressing gaps (as identified by others) on current chemical vapor protection communications and overall assessment of chemical vapor programmatic status. <p>This will be accomplished in two phases:</p> <ol style="list-style-type: none"> 1) The first phase will focus on closing overall communication gaps and then oversight to ensure adequate communications will be maintained. 2) The second phase will focus on standing up and maintaining the process to status progress on TVAT recommendations and any required outcome of the preliminary injunction hearing to occur in the first quarter of FY 2017.

Contract Modification 487 Scope Significant Correspondence Matrix

Item	Letter Number	Date	Purpose/Subject	Deliverable
3	WRPS-1603807.2	10/14/16	TVAT Phase 2 Scope Clarification - Authorization to include the 242-A Stack Scope	- Design and construction of an extension of the 242-A vessel vent stack.
4	WRPS-1603807.4	12/19/16	CO Email direction to start Vapor Abatement on the existing NTE	- Implement are initial activities related to the Hanford Tank Farm Vapors Abatement Technology and Vender Proposals Assessment (SRNL STI-2016-00484) and the vapor technology proposal, which won the 2016 Grand Challenge. Primary initial activity efforts, including the proposed Strobic® and NUCON® vapor technologies, are to be covered under the \$15M NTE.
5	WRPS-1603807.5	2/7/17	ORP Concurrence to add Vapor Monitoring Detection System Elements to TVAT Phase 2 Work Scope	- Vapor Monitoring and Detection System Upgrades, AP and A Farms formal training, readiness and turnover to operations for down-selected equipment. - Vapor Monitoring and Detection System Tank Farm initial stack / corridor monitoring design.

Contract Modification 487 Scope Significant Correspondence Matrix

Item	Letter Number	Date	Purpose/Subject	Deliverable
6.	17-TF-0015/ 1700039	3/1/17	Direction to Continue Comprehensive Vapor Actions. Added \$10M in to existing NTE, for a total NTE amount of \$25K	<ul style="list-style-type: none"> - Prepare and submit a certified cost and pricing proposal within 90 days from receipt of this letter, for the work scope identified to achieve the attached key performance parameters (KPP). (See “y” through “ff” below.) - A baseline change proposal (See item 9, WRPS-1603807.6 below.) - Key Performance Parameters that are specific, measurable, attainable, realistic, and timely (as reflected in the attachment) - Network logic depicting activity interdependencies, optimized and prioritized to achieve key performance parameters. - Documented Communication Strategy - Provide adjustments to align work scope on contract with attached key performance parameters as necessary. (See item 10, WRPS-1603807.7 below.) - By separate transmittal, documentation for the reconciliation of actions included in the Implementation Plan for Hanford Tank Vapor Assessment Report Recommendations and corresponding assessments as appropriate. (See item 9, WRPS-1603807.6 below.) - Complete Engineering control concept demonstrations for Strobic Tri-Stack and NUCON International Inc. thermal combustion in support of unrestricted work boundaries. - KPP 1 - Establish a comprehensive vapor management communication plan, engagement processes, and effectiveness measurements. - KPP 2 - Maintain the <i>Industrial Hygiene Chemical Vapor Technical Basis</i> document and chemicals of potential concern (COPC). Institutionalize a disciplined and rigorous process for updates to include new scientific findings and enhanced understandings of potential exposures.

Contract Modification 487 Scope Significant Correspondence Matrix

Item	Letter Number	Date	Purpose/Subject	Deliverable
				<ul style="list-style-type: none"> - KPP 3 - Maintain IH Program and institutionalize vapor program requirements, best practices and program parity, and complete necessary training to support full implementation at the beginning of FY 2018. - KPP4 - Complete engineering control concept demonstrations for Strobic Air® Tri-Stack® and NUCON International Inc. thermal combustion in support of unrestricted work boundaries. - KPP5 - Define unrestricted work boundaries and implement monitoring on active stack ventilation and unrestricted work boundaries in the A farms to provide defense-in-depth. - KPP6 - Institutionalize a tank operations stewardship program that minimizes required tank farm personnel entries and establishes parameters for locating ancillary personnel and offices. - KPP 7 - Provide options to promote the hierarchy of controls for chemical vapor respiratory protection beyond current use self-contained breathing apparatus. - KPP 8 - Support medical program enhancements in conjunction with responsible Hanford Site organizations and establish update to WRPS process/procedures.
7	WRPS-1603807.6	5/23/17	CO Email clarification on letter of direction 17-TF-0015, removing the requirement for a baseline change proposal and Implementation Plan for Hanford Tank Vapor assessment Report Recommendations and corresponding assessment on 6/2/17.	<ul style="list-style-type: none"> - Provide the Implementation Plan for Hanford Tank Vapor assessment Report Recommendations and corresponding assessment by separate transmittal in June 2017.

Contract Modification 487 Scope Significant Correspondence Matrix

Item	Letter Number	Date	Purpose/Subject	Deliverable
8	WRPS-1603807.7	5/25/17	Acting CO Email clarification on letter of direction 17-TF-0015, granting a proposal extension to 6/8/17, and confirmation that the scope deletions will be handled within the annual deletions BCR, and not within this proposal.	<ul style="list-style-type: none"> - Provide the <i>Comprehensive Vapor Action Plan Key Performance Parameters Implantation</i> Change Proposal by 6/8/17. - Provide scope deletions within the annual deletions BCR.
9	WRPS-1703578.5	1/23/18	CP-17-009, Comprehensive Vapor Action Plan Key Performance Parameters Implementation Errata	<ul style="list-style-type: none"> - Errata BOEs and native estimate file.

4. **FAR 43.204(c)(2) - Contractor's Statement of Release** –

In consideration of the modification(s) agreed to herein as complete equitable adjustments for the Contractor's change proposal CP-17-009 Comprehensive Vapor Action Plan Key Performance Parameters Implementation (WRPS-1700039 R1), "proposal for adjustment," dated June 8, 2017, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstance giving rise to the "proposal for adjustment" except for the exclusions identified in the contractor proposal CP-17-009, WRPS-1700039 R1 and the specific items spelled out in the bullets below:

- VMDS SY Stack Monitoring
- VMDS Corridor Monitoring
- VMDS New Stack (AW, AN, 702-AZ, AX, and A) monitoring readiness / turnover
- VMDS operations and maintenance
- All risk activities associated with the above

5. All other Terms and Conditions remain unchanged.

ATTACHMENT
Replacement Pages

Total: Four (2) pages including this cover page

- Contract Section B, *Supplies or Services and Prices/Costs*, page B-6

Table B.4-1 Contract Cost and Contract Fee

CLIN	Sub-CLIN	Auth	Transition	Base Period						Option Period 1				Option Period 2			Contract Totals
			FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Totals	FY 2014	FY 2015	FY 2016	Totals	FY 2017	FY 2018	Totals	Totals
CLIN 1 Base Operations	1.1 ¹	A	5,494,000	0	0	0	0	0	0	0	0	0	0	0	0	0	5,494,000
	1.2.1	A	0	108,317,537	130,557,912	139,669,524	138,592,209	176,874,583	694,011,765	215,393,005	263,916,621	266,353,758	745,663,384	302,509,605	344,838,288	647,347,893	2,087,023,042
	1.2.2	A	0	29,509,468	33,281,799	30,647,681	44,176,825	44,686,448	182,302,220	50,067,447	64,548,833	74,303,730	188,920,009	87,304,634	82,483,177	169,787,811	541,010,041
CLIN 2 SST Retrv. & Closure	1.3	A	0	18,551,276	19,732,180	22,296,216	23,131,428	23,312,148	107,023,247	31,337,058	28,332,863	38,336,520	98,006,442	35,663,162	38,314,396	73,977,558	279,007,247
	2.1	A	0	57,403,068	72,752,511	75,625,974	84,296,755	94,643,864	384,722,172	57,660,167	85,223,580	75,318,771	218,202,518	135,716,746	106,716,346	242,433,092	845,357,782
	2.2	A	0	1,385,657	2,367,273	3,266,018	381,496	512,554	7,912,998	2,599,094	5,833,999	6,809,247	15,242,341	11,619,748	5,021,213	16,640,961	39,796,299
CLIN 3 WTP Support	3.1	A	0	7,973,682	17,498,036	20,512,679	36,090,531	27,944,842	110,019,770	31,749,229	20,891,238	28,897,200	81,537,667	39,026,289	40,102,027	79,128,316	270,685,752
	3.2	A	0	926,406	3,845,905	2,538,026	3,272,674	2,588,147	13,171,157	10,476,468	8,599,876	7,592,900	26,669,244	4,906,519	7,885,158	12,791,676	52,632,077
	3.3	A	0	829,600	3,462,842	2,535,361	3,317,522	309,605	10,454,929	3,620,997	3,802,246	3,160,391	10,583,634	5,381,899	6,663,654	12,045,553	33,084,116
	3.4	A	0	158,274	544,884	1,787,451	4,212,966	39,542	6,743,117	3,410,480	8,409,962	23,842,851	35,663,293	17,041,491	18,574,334	35,615,825	78,022,235
CLIN 4 Supplemental Treatment	4.1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.3	A	0	0	2,798,664	8,547,404	976,925	4,795,858	17,118,850	5,053,483	6,051,885	9,996,859	21,102,227	0	0	0	38,221,077
	4.4	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4.5		0	2,412	0	0	110,034	375,222	487,668	702,630	0	0	702,630	0	0	0	1,190,298
CLIN 5 Early Feed & Operation of the WTP LAW	5.1		0	0	0	0	0	0	0	3,680,340	23,564,930	27,530,451	54,775,721	44,689,328	4,741,662	49,430,991	104,206,712
	5.2		0	0	0	0	0	0	0	0	63,708	63,708	63,708	0	0	63,708	
	5.3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	5.4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CLIN 6 Pension & Welfare Plans	6.1	A	0	14,203,459	19,021,014	16,942,123	23,321,065	26,803,599	100,291,259	33,352,743	38,351,442	40,472,682	112,176,866	41,071,672	39,930,687	81,002,359	293,470,485
	6.2	A	0	71,526,845	146,785,096	90,633,410	79,044,602	122,161,289	510,151,241	123,154,662	118,009,763	113,994,558	355,158,983	54,236,000	53,847,000	108,083,000	973,393,224
Base Contract Sub-Totals	Contract Cost		5,494,000	310,787,683	452,648,115	415,001,865	440,925,030	525,047,701	2,144,410,395	572,257,802	675,537,238	716,673,627	1,964,468,667	779,167,092	749,117,943	1,528,285,034	5,642,658,096
	Available Fee ¹		0	14,902,548	21,704,882	19,899,711	21,142,750	24,524,804	102,174,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	102,684,134	305,822,647
	Contract Price		5,494,000	325,690,231	474,352,998	434,901,576	462,067,780	549,572,505	2,246,585,089	597,330,994	705,537,238	TBD	2,065,432,485	TBD	TBD	1,630,969,168	5,948,480,743
CLIN 7 American Recovery and Reinvestment Act (ARRA)	7.1	A	0	18,542,771	82,696,778	87,820,906	0	0	189,060,455	0	0	0	0	0	0	0	189,060,455
	7.2	A	0	2,444,642	15,043,442	17,382,721	0	0	34,870,804	0	0	0	0	0	0	0	34,870,804
	7.3	A	0	3,599,231	20,087,000	26,950,992	0	0	50,637,222	0	0	0	0	0	0	0	50,637,222
	7.4	A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7.5	A	0	820,051	2,960,284	4,272,691	0	0	8,053,026	0	0	0	0	0	0	0	8,053,026
	7.6	A	0	0	8,620,572	10,278,267	0	0	18,898,839	0	0	0	0	0	0	0	18,898,839
CLIN 8 Contract Closeout	8.1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARRA & Contract Closeout Sub-Totals	Contract Cost		0	25,406,695	129,408,075	146,705,577	0	0	301,520,347	0	0	0	0	0	0	0	301,520,347
	Available Fee		0	2,853,000	11,180,000	8,309,000	0	0	22,342,000	0	0	0	0	0	0	0	22,342,000
	Contract Price		0	28,259,695	140,588,075	155,014,577	0	0	323,862,347	0	0	0	0	0	0	0	323,862,347
Contract Totals	Contract Cost		5,494,000	336,194,379	582,056,190	561,707,442	440,925,030	525,047,701	2,445,930,742	572,257,802	675,537,238	716,673,627	1,964,468,667	779,167,092	749,117,943	1,528,285,034	5,944,178,443
	Available Fee ¹		0	17,755,548	32,884,882	28,208,711	21,142,750	24,524,804	124,516,694	25,073,192	30,000,000	TBD	100,963,819	TBD	TBD	102,684,134	328,164,647
	Contract Price		5,494,000	353,949,926	614,941,072	589,916,153	462,067,780	549,572,505	2,570,447,436	597,330,994	705,537,238	TBD	2,065,432,485	TBD	TBD	1,630,969,168	6,272,343,090