

2. ORDER NO.	3. REQUISITION NO.	4. SOLICITATION NO.
--------------	--------------------	---------------------

5. EFFECTIVE DATE 10/22/2015	6. AWARD DATE 10/22/2015	7. PERIOD OF PERFORMANCE 01/01/2011 TO 09/30/2016
---------------------------------	-----------------------------	--

8. SERVICING AGENCY PACIFIC NORTHWEST NATIONAL LABORATORY PNNL ALC: DUNS: +4: US DEPARTMENT OF ENERGY PACIFIC NORTHWEST SITE OFFICE PO BOX 350 MS K9-42 RICHLAND WA 99352  POC Genice Madera TELEPHONE NO. 509-372-4010	9. DELIVER TO MICHELLE F BALES US NUCLEAR REGULATORY COMMISSION OFFICE OF NUCLEAR REGULATORY RESEARCH 11555 ROCKVILLE PIKE MAIL STOP TWFN10 A58 ROCKVILLE MD 20852
---	--

10. REQUESTING AGENCY ACQUISITION MANAGEMENT DIVISION ALC: 31000001 DUNS: 040535809 +4: US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE ROCKVILLE MD 20852-2738  POC Edna Knox-Davin TELEPHONE NO. 301-415-6723	11. INVOICE OFFICE US NUCLEAR REGULATORY COMMISSION ONE WHITE FLINT NORTH 11555 ROCKVILLE PIKE MAILSTOP O3-E17A ROCKVILLE MD 20852-2738
---	--

12. ISSUING OFFICE US NRC - HQ ACQUISITION MANAGEMENT DIVISION MAIL STOP TWFN-5E03 WASHINGTON DC 20555-0001	13. LEGISLATIVE AUTHORITY Energy Reorganization Act of 1974  14. PROJECT ID JOB CODE V6197  15. PROJECT TITLE ADVANCEMENT OF FUEL PERFORMANCE ANALYSIS
---	---

16. ACCOUNTING DATA  
ZEROREQ-RES-16-0008

17. ITEM NO.	18. SUPPLIES/SERVICES	19. QUANTITY	20. UNIT	21. UNIT PRICE	22. AMOUNT
	Master IAA: N/A The purpose of this modification is to (1) provide for a no-cost extension to the period of performance through September 30, 2016 and (2) change the NRC COR from Patrick Raynaud to Michelle F. Bales as follows:  Contracting Officer's Representative:  Michelle F. Bales US Nuclear Regulatory Commission Office of Nuclear Regulatory Research Continued ...				

23. PAYMENT PROVISIONS	24. TOTAL AMOUNT \$0.00
------------------------	----------------------------

25a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (SERVICING)	26a. SIGNATURE OF GOVERNMENT REPRESENTATIVE (REQUESTING)		
25b. NAME AND TITLE	25c. DATE	26b. CONTRACTING OFFICER JEFFREY R. MITCHELL	26c. DATE 10/22/2015

Mail Stop: TWFN/10 A58  
301-415-2856

This no-cost extension will provide for the completion of this work which was delayed due to the PNNL staff normally available under this IA being reassigned to higher-priority NRC work.

The following document is hereby made a part of this modification:

Attachment No. 1: Revised Deliverable Due Dates:

All other terms and conditions remain unchanged, including the authorized cost ceiling of \$1,585,290.00.

NRC-HQ-60-11-D-0011  
Modification No. M0017

## Revised Deliverable Due Dates

<b>Deliverables</b> <i>(as listed in contract or agreement)</i>	<b>Latest Due</b>	<b>Received ? (Y/N)</b>	<b>If not received, revised due</b>
Task 20 FRAPCON modernization	03/31/2015	Y	
Task 20 FRAPTRAN modernization	03/31/2015	N	12/31/2015
Task 21a Letter Report and source code	12/01/15	N	06/30/2016
Task 21b Letter Report and source code	09/01/15	N	12/31/2015
Task 22 Letter Report and source code	09/01/15	N	06/30/2016
Task 23 Letter Report and source code	09/01/15	N	08/31/2016
Task 24 Letter Report and source code	09/01/14	Y	
Task 25 Letter Report and FRAPOST files	09/01/15	N	08/31/2016
Task 26 Letter Report and DAKOTA files	09/01/15	N	12/31/2015
Task 27 Letter Report and source code	09/01/15	N	06/30/2016
Task 28 Letter Report and source code	09/01/14	Y	
Task 29 Letter Report and source code	09/01/14	Y	
Task 30 FRAPCON-3.5/FRAPTRAN-1.5 code	04/01/2014	Y	
Task 30 FRAPCON-4.0/FRAPTRAN-2.0 code	12/01/15	N	03/31/2016
Task 31 Letter Report and source code	12/01/15	N	03/31/2016