

ORDER FOR SUPPLIES OR SERVICES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 04/03/2019		2. CONTRACT NO. (If any) 89304019DEM000006		6. SHIP TO: a. NAME OF CONSIGNEE Office of River Protection	
3. ORDER NO. 89304019FEM400020		4. REQUISITION/REFERENCE NO. 19EM001133		b. STREET ADDRESS U.S. Department of Energy Office of River Protection P.O. Box 450	
5. ISSUING OFFICE (Address correspondence to) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352		c. CITY Richland		d. STATE WA	e. ZIP CODE 99352
7. TO: Julie Foster		f. SHIP VIA			
a. NAME OF CONTRACTOR JFA-RC TECHNICAL SERVICES, LLC		8. TYPE OF ORDER			
b. COMPANY NAME		<input type="checkbox"/> a. PURCHASE		<input checked="" type="checkbox"/> b. DELIVERY	
c. STREET ADDRESS 425 N Capital Ave		REFERENCE YOUR: Proposal dated 19 March 2019		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY Idaho Falls		e. STATE ID	f. ZIP CODE 83402		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule		10. REQUISITIONING OFFICE Office of River Protection			

11. BUSINESS CLASSIFICATION (Check appropriate box(es))				12. F.O.B. POINT Destination	
<input checked="" type="checkbox"/> a. SMALL	<input type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input checked="" type="checkbox"/> d. WOMEN-OWNED	<input type="checkbox"/> e. HUBZone	
<input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED	<input checked="" type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM		<input checked="" type="checkbox"/> h. EDWOSB		
13. PLACE OF		14. GOVERNMENT B/L NO.		15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date) 04/14/2020	
a. INSPECTION Destination	b. ACCEPTANCE Destination		16. DISCOUNT TERMS NET 30		

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	IGF::CL::IGF The United States Department of Energy, Office of River Protection, requires Technical Support Services at the Hanford Site in Richland, Washington. This is a task order for WTP Glass Lab Oversight Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME OR for ORP						\$156,312.00
	b. STREET ADDRESS (or P.O. Box) U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 6017						\$156,312.00
c. CITY Oak Ridge		d. STATE TN	e. ZIP CODE 37831				

22. UNITED STATES OF AMERICA BY (Signature) 			23. NAME (Typed) Robert L. Burrier TITLE: CONTRACTING/ORDERING OFFICER		
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ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 04/03/2019	CONTRACT NO. 89304019DEM000006	ORDER NO. 89304019FEM400020
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
00001	<p>Support to the Assistant Manager of WTP and the Glass Scientist, This task order is approved under the IDIQ contract 89304019DEM000006 and the Small Business Administration (SBA) Office REFERENCE #GC1543330894Q. Period of Performance: 04/15/2019 to 04/14/2020</p> <p>Base Period- WTP Glass Lab Oversight Support Indefinite Delivery/Indefinite Quantity</p> <p>Accounting Info: WTP - LAW Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111710 Project: 0001482 WFO: 0000000 Local Use: 0421573 Funded: \$56,794.00</p> <p>Accounting Info: WTP - LAB Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111710 Project: 0001482 WFO: 0000000 Local Use: 0421574 Funded: \$2,084.00</p> <p>Accounting Info: WTP - BOF Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111710 Project: 0001482 WFO: 0000000 Local Use: 0421575 Funded: \$5,731.00</p> <p>Accounting Info: WTP - DFLAW/EMF Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111711 Project: 0001482 WFO: 0000000 Local Use: 0421586 Funded: \$8,337.00</p> <p>Accounting Info: WTP - HLW Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111714 Project: 0001482 WFO: 0000000 Local Use: 0421587 Continued ...</p>				156,312.00	

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$156,312.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 04/03/2019	CONTRACT NO. 89304019DEM000006	ORDER NO. 89304019FEM400020
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ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	Funded: \$52,104.00 Accounting Info: WTP - PT Fund: 01260 Appr Year: 2019 Allottee: 34 Report Entity: 421301 Object Class: 32004 Program: 1111716 Project: 0001482 WFO: 0000000 Local Use: 0421588 Funded: \$31,262.00					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

ORP Performance Work Statement (PWS)

Date: March 28, 2019

Period of Performance: April 15, 2019 – April 14, 2020

Division – Waste Treatment Plant

Title: Glass Laboratory Process Oversight Support

Revisions:

	Description of Change
00	Original

SCOPE OF WORK

The Contractor shall provide **one part-time (960 hours, NTE an average of 20 hours per week) Consultant II** to support the Assistant Manager of Waste Treatment and Immobilization Plant (WTP) and the Glass Scientist to strategically manage WTP glass work for operations. Consultant will provide organizational strategies and work closely with TF management team to assure oversight is appropriately planned and executed to support WTP operations, Direct Feed of Low-Activity Waste (DFLAW) High-Level Waste Treatment activities.

- Provide expertise in glass composition property measurements (viscosity and electrical conductivity at melt temperatures, durability of final product, density of glass, sulfate solubility in glass) from statistically designed matrices to support property model(s) in support of the engineered designs for operations at the WTP including high level and low activity wastes.
- Be responsible for oversight of the contractor’s ensuring the qualifications of staff to perform measurements of properties that determine the effects of individual chemical compounds on glass behavior.
- Evaluate delivered physical property models of the cold cap covering a molten glass pool.
- Coordinate planning of the processing of nuclear waste slurries in an engineered scale melter to optically observe and physically measure the process in small-scale melter systems.
- Brief senior management on technical issues, options for resolution, and facilitate decision-making.
- Provide project skills to support development of correlations between engineered scaled melter systems and WTP melters.
- Consult with other organization units, DOE Headquarters, regulators, and

stakeholders to assist in the evaluation of crystallinity effects on glass properties. Nepheline and spinel crystals can form in nuclear waste glasses. The glass chemistry, crystalline growth and thermodynamic properties are modeled to understand the effect crystal formation have on glass properties.

DELIVERABLES

- Assessments & reviews of contractor work products (e.g., laboratory procedures, data packages, drafted manuscripts, reports, etc.)
- Follow-up on issues, findings, and other areas of concern
- Participation in meetings with DOE technical staff and management
- Participation on Integrated Project Teams (IPT) as requested

Deliverables shall be accomplished in accordance with ORP procedures and directions provided by AMWTP & MIO.

QUALIFICATIONS:

- Demonstrated experience with direct interface with client senior management.
- Expert level knowledge of mass balance measurements of Re, 99Tc, SO₃⁻, Cl⁻, and Cr⁺⁶ in laboratory scale melters as well as in volatile component testing in open crucibles using cold finger method to gather volatiles. Additionally, feed preparation and loading, immobilizing molten salts from migration, minimization of glass component additives, and examination of full scale melts
- Expert level knowledge of Hanford Site mission, activities and priorities vis-à-vis glass melt characterization with maximum waste loaded glasses.
- Expert level knowledge of glass laboratory operations including organization of personnel and equipment processes, repair of equipment, cleanliness of work environment, quality affecting issues, safety and environmental issues.
- Expert writing skills, proven experience in supporting programs and projects with analysis, tracking, monitoring, assessment, review and coordination.
- Excellent communications skills.
- A knowledge of MS Word, MS PowerPoint, and/or other MS Office tools.

TRAVEL: Occasional travel will be required. Estimated cost of ~ \$7.5K will be added to the task order ceiling by the government.

QUALITY ASSURANCE REQUIREMENT:

All work performed under this task order must be in compliance with the requirements set by the ORP Quality Assurance Program Description ([MGT-PM-PL-04 R4](#)).

SECTION B – SUPPLIES OR SERVICES AND PRICE/COSTS

B.1 Type of Task Order and CLIN

This is a TIME-AND-MATERIALS/LABOR HOUR task order issued under CLIN 00001.

B.2 OBLIGATION OF FUNDS

The ceiling amount of this task order is *\$156,312.00*.

B.3 AVAILABILITY OF APPROPRIATED FUNDS

The duties and obligations of the DOE hereunder calling for the expenditure of appropriated funds shall be subject to the availability of funds appropriated by the U.S. Congress, which DOE may legally spend or obligate for such authorized purposes. Any work performed that exceeds funds obligated by task order and specific limitations identified in contract modifications without the written consent of the DOE Contracting Officer shall be at the Contractor's risk.

B.4 OTHER DIRECT COSTS

Travel costs for transportation, lodging, meals, and incidental expenses will be reimbursed only to the extent specified in Federal Acquisition Regulation (FAR) Subsection 31.205-46 Travel Costs. Miscellaneous: Other related requirements not otherwise priced herein (Hanford specific training, supplies, etc.) may be required in the performance of this contract. The contractor shall obtain advance Contracting Officer written approval prior to the incurrence of any such costs.

SECTION C - DESCRIPTION/SPECS/WORK STATEMENTS

C.1 PERFORMANCE WORK STATEMENT

The Contractor shall provide all resources as stated in the Performance Work Statement (PWS) (Pages 4-5), entitled WTP Glass Lab Oversight Process.

SECTION D – PACKAGING AND MARKING

D.1 DELIVERY POINT

Deliveries, if applicable, for this task order shall be made FOB destination to 2440 Stevens Center Place, Richland, WA 99354.

SECTION E – INSPECTION AND ACCEPTANCE

E.1 INSPECTION AND ACCEPTANCE

Reference Section E, clause E.3, *DOE-E-2001 INSPECTION AND ACCEPTANCE (OCT 2014)* of the base contract for inspection and acceptance.

SECTION F – DELIVERIES OR PERFORMANCE

F.1 PERIOD OF PERFORMANCE

The period of performance for this task order is April 15, 2019 through April 14, 2020.

F.2 PLACE OF PERFORMANCE

The place of performance for this task order shall be: Applied Process Engineering Laboratory (APEL) (350 Hills Street, K6-24, Richland, WA 99354).

F.3 OFFICE SPACE

For this task order, the APEL facility will provide cubicle at: 350 Hills Street, K6-24, Richland, WA 99354. The facility will equip the cubicle with computer and phone.

SECTION G – CONTRACT ADMINISTRATION DATA

G.1 TASK ORDER ADMINISTRATION

Designated Contracting Officer:
Robert Burrier

Designated Contracting Officer's Representative:
Albert A. Kruger

G.2 SUBMISSION OF VOUCHERS FOR PAYMENT

Reference Section G.7, *DOE-G-2005 BILLING INSTRUCTIONS – ALTERNATE I (OCT 2014) (FOR T&M/LABOR HOUR TASK ORDERS)* of base contract for submission of vouchers for payment instructions.

SECTION H – SPECIAL CONTRACT REQUIREMENTS

All clauses flow down from base contract to awarded task order and are in full effect.

Below are referenced clauses specific to this task order:

- H.2 MODIFICATION AUTHORITY
- H.4 DOE-H-2032 ORDERING UNDER A MULTIPLE AWARD CONTRACT (OCT 2014) (REVISED)
- H.9 DISPUTES
- H.10 DOE-H-2033 ALTERNATIVE DISPUTE RESOLUTION (OCT 2014)
- H.11 DOE-H-2048 PUBLIC AFFAIRS – CONTRACTOR RELEASES OF INFORMATION (OCT 2014)
- H.15 SECURITY REQUIREMENTS
- H.16 DOE-H-2049 INSURANCE REQUIREMENTS (OCT 2014)
- H.19 ENVIRONMENTAL LAWS
- H.20 CONFIDENTIALITY OF INFORMATION
- H.21 PROHIBITION OF PERSONAL SERVICES
- H.22 WITHDRAWAL OF WORK
- H.25 CONTRACTOR TRAINING
- H.26 EXTRAORDINARY LEAVE
- H.27 INDEMNIFICATION
- H.28 DOE-H-2047 FEDERAL HOLIDAY AND OTHER CLOSURES (OCT 2014) (REVISED)
- H.29 ORP SPECIFIC ATTENDANCE DIRECTIVE FOR CONTRACTOR EMPLOYEES IN FEDERALLY OWNED FACILITIES
- H.36 DOE-H-2065 REPORTING OF FRAUD, WASTE, ABUSE, CORRUPTION, OR MISMANAGEMENT (OCT 2014)

SECTION I – CONTRACT CLAUSES

All clauses flow down from base contract to awarded task order and are in full effect.

Below are referenced clauses specific to this task order:

- FAR 52.217-8 OPTION TO EXTEND SERVICES (NOV 1999)
- FAR 52.232-7 PAYMENTS UNDER TIME-AND-MATERIAL AND LABOR HOUR CONTRACTS (AUG 2012)
- FAR 52.232-19 AVAILABILITY OF FUNDS FOR THE NEXT FISCAL YEAR (APR 1994)
- FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)
- FAR 52.232-33 PAYMENT BY ELECTRONIC FUNDS TRANSFER – CENTRAL CONTRACTOR REGISTRATION (JUL 2013)
- FAR 52.243-3 CHANGES – TIME-AND-MATERIAL OR LABOR HOURS

(SEP 2000)
FAR 52.249-2 TERMINATION FOR THE CONVENIENCE OF THE
GOVERNMENT (FIXED-PRICE) (APR 2012)
FAR 52.249-8 TERMINATION – (COST REIMBURSEMENT) – ALT IV
(MAY 2004)
DEAR 952.204-2 SECURITY REQUIREMENTS (AUG 2016)
DEAR 952.204-77 COMPUTER SECURITY (AUG 2006)
DEAR 952.209-72 ORGANIZATIONAL CONFLICT OF INTEREST (AUG 2009)
DEAR 952.242-70 TECHNICAL DIRECTION (DEC 2000)

SECTION J – LIST OF ATTACHMENTS

Attachment 1, Organizational Conflict of Interest Form

Attachment 2, Personal Conflict of Interest Form