False Bottom Demonstration and Development Testing

PRE-PROPOSAL CONFERENCE
January 11, 2021

OPENING REMARKS

- SAFETY – RICK GARRETSON
- GROUND RULES
  - QUESTION DURING PRESENTATION – RAISE HAND IN TEAMS
  - QUESTIONS ARE TO BE ASKED THROUGH TEAMS CHAT
  - SEND QUESTIONS BY EMAIL TO JANELLE_K_FREEPONS@RL.GOV
  - ALL QUESTIONS WILL BE ANSWERED TO ALL OFFERORS VIA AMENDMENT TO THE RFP

INTRODUCTIONS

JANELLE FREEPONS	PROCUREMENT SPECIALIST
LISA CARLIN	SUBCONTRACTS MANAGER
ALEX PAPPAS	PROJECT MANAGER
JASON VITALI	TANK FARM PROJECTS & CTO ENGINEERING MANAGER
KAYLE BOOMER	ENGINEERING/SYSTEM OPERATIONS SUBJECT MATTER EXPERT
RICK GARRETSON	BUYER'S TECHNICAL REPRESENTATIVE
MIKE DEPEEL	COST PRICE ANALYST

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ATTENDEES

JAMES FISHER TECHNOLOGIES

ATKINS

SOVEREIGN HYDROSEAL ENERGY INC.

ORANO

AVANTECH, LLC

APOLLO MECHANICAL CONTRACTORS

SHAW CONSTRUCTION CORPORATION

POINT OF CONTACT

POINT OF CONTACT DURING THE PROPOSAL STAGE:

JANELLE FREEPONS, PROCUREMENT SPECIALIST

WASHINGTON RIVER PROTECTION SOLUTIONS

JANELLE_K_FREEPONS@RL.GOV

851 SMARTPARK STREET H1-42

RICHLAND, WA 99354

(509) 303-9730

NOTE: Communicating with someone at WRPS other than the Procurement Specialist could eliminate your company from the bidding process.

CONFLICTS

In the event that there is a conflict between the RFP terms and conditions and the information that is being disseminated during today's conference, the RFP terms and conditions shall govern. The RFP is the only document that should be relied upon in determining the solicitation requirements. Any changes to the RFP will be made via a formal amendment to the RFP.

PROPOSAL SCHEDULE

- PRE-PROPOSAL CONFERENCE – Monday, January 11, 2021
- QUESTIONS DUE DATE – Friday, January 15, 2021
- AMDENDMENT TO RFP – Wednesday, January 20, 2021
- PROPOSAL DUE DATE – Monday, February 1, 2021
- AWARD DATE – TBD
- DEMONSTRATION FORECAST FOR JUNE 2021

PROPOSAL INSTRUCTIONS

PROPOSAL INSTRUCTIONS:

- Keep proposals simple, straightforward and concise to the information requested and outlined in the RFP.
  - Shall not exceed 100 pages or include any of cost/pricing information.

- Submit two separate files electronically:
  - Technical Proposal
  - Business and Price Proposal

- Submit all required forms (Exhibits) filled out completely, signed, and attached per requirements in the proposal.

PROPOSAL INSTRUCTIONS

VOLUME I – TECHNICAL PROPOSAL SECTION 4.1.1:

- An acknowledgement that the Statement of Work is fully understood and that Offeror has resources qualified to perform the work.
- Execution Plan and schedule for the project
- Key personnel (Project Manager). Attach résumés of key personnel.
- Statement of compliance with subcontract insurance requirements as specified in the On-Site Work Provisions, including confirmation that all required insurance certificates will be provided prior to any on-site work.

PROPOSAL INSTRUCTIONS

VOLUME I – TECHNICAL PROPOSAL SECTION 4.1.1:

- Past Performance Experience and Data.

EXHIBIT 3. PAST PERFORMANCE

Rev. 0 1/1/03

Please type or print at least two (2) and as many as five (5) references to recently completed or substantially complete contracts with requirements similar to those described within this solicitation.

CLIENT NAME **CONTACT NAME** **TELEPHONE NO.**	**CONTRACT NO.** **CONTRACT DATE**	**START DATE** **END DATE** **CONTRACT VALUE**	**CONTRACT TERMINATED?** (Y/N) *Explain in attachment*

PROPOSAL INSTRUCTIONS

VOLUME II – BUSINESS & PRICE PROPOSAL SECTION 4.1.2:

- Organizational Conflict of Interest Certification and Disclosure
- Agreement Exceptions
- Vendor ESH&Q Survey

PROPOSAL INSTRUCTIONS

VOLUME II – BUSINESS & PRICE PROPOSAL SECTION 4.1.2:

- T&M Labor hour price proposal form
- The Price Proposal must provide the narrative used to support and explain the Subcontractor's supporting pricing and associated pricing assumptions.

EXHIBIT 1. T&M/LH PRICE PROPOSAL FORM

Stage 1 per SOW

LABOR				
Line	**Description**	**Est. Hours**	**Fully Burdened Rate**	**Total**
1				$ -
2				$ -
3				$ -
4				$ -
5				$ -
6				$ -
7				$ -
8				$ -
9				$ -
10				$ -
			Labor Subtotal	$ -

PROPOSAL INSTRUCTIONS

VOLUME II – BUSINESS & PRICE PROPOSAL SECTION 4.1.2: Cont'd

- T&M ODC price proposal form
- The Price Proposal must provide the narrative used to support and explain the Subcontractor's supporting pricing and associated pricing assumptions.

OTHER DIRECT COSTS (ODC's)				
Line	**Description**	**Qty.**	**Unit Rate**	**Total**
1				$ -
2				$ -
3				$ -
4				$ -
5				$ -
6				$ -
			Applicable Sales Tax	$ -
			ODC Subtotal	$ -

GRAND TOTAL Stage 1 $ -

*Provide detailed build up to include all labor, materials, travel, etc.

PROPOSAL INSTRUCTIONS

QUALIFICATION STANDARDS:

To be considered for an award, the Offeror must meet the following:

- Technical Approach includes use of a self-leveling material (grout/polymer/epoxy or combination thereof) to repair the scaled storage tank.
- Technical Approach will create a new false bottom in the tank.
- Technical Approach includes demonstration at the Cold Test Facility per WRPS schedule.
- Technical approach includes hydrostatic testing or similar method.

If an Offeror fails to meet the stated qualification standards, the proposal shall be rejected and not considered further for award.

PROPOSAL EVALUATION CRITERIA

- The following factors and sub factors will be used to evaluate offers. Non-cost/price evaluation factors, when combined, are significantly more important than cost or price.

- 3 areas for technical evaluation Section 3.2
  - Technical Approach
  - Offeror's Past Experience/Commercial Application
  - Project Management

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PROPOSAL EVALUATION CRITERIA

Technical Approach

- Evaluation of Execution plan and its' elements or components
  - Schedule
    - Able to meet WRPS Expected demonstration in June 2021
  - Test Crew Roles & Responsibilities
  - Test Methods – Features of proposed technology to be tested
  - Test Methods – Features of proposed technology NOT to be tested
  - Suspension Criteria and resumption requirements (if applicable include mitigation plan for resumption)
  - Material for False Bottom composition
  - Expected leveling of material (i.e. rise, run and expected degree of slope over a dimension)
  - Environmental Limitations for application of material

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PROPOSAL EVALUATION CRITERIA

Past Experience/Commercial Application (Past Performance Data)

- Experience with projects similar in nature (ie. In-Place Repair tanks/vessels)

Project Management (Key Personnel Resume)

- Designated Project Manager for oversight and technical execution of work scope
- Years of technical experience operating proposed method/technology

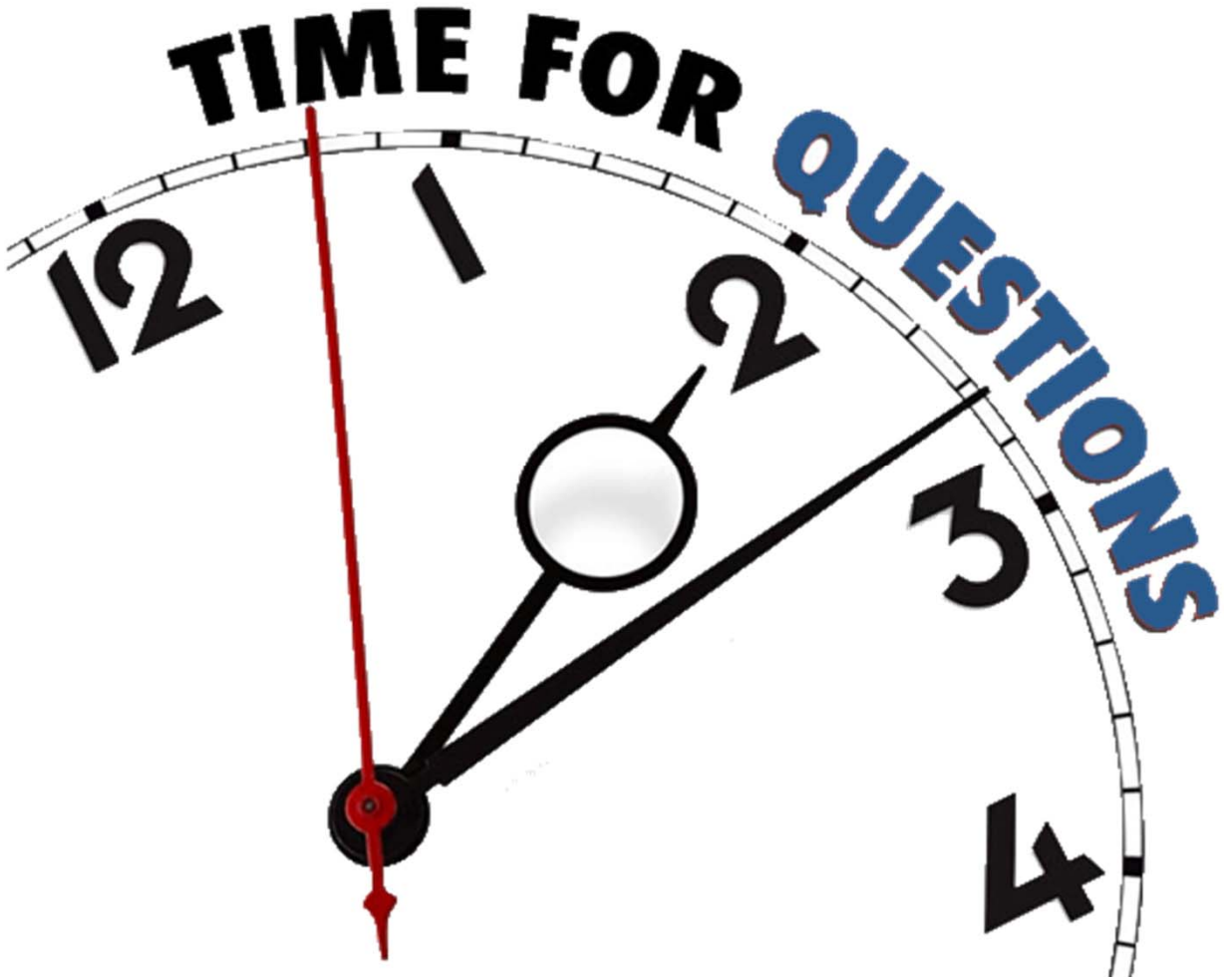
SPECIFICATION OVERVIEW

ADDITIONAL INFORMATION:

- RPP-SPEC-61615 Rev.00 dated 8/24/2017

Document “Conceptual Specification for Repairing, Inspecting, and Testing Tank 241-AY-102” RPP-SPEC-61615 Rev.00 dated 8/24/2017 is attached with solicitation. This document provides additional information regarding the tank conditions for deployment of tank repair.

QUESTIONS- PROCUREMENT



PROGRAM OVERVIEW

There is a need to evaluate the viability of repairing double-shell storage tanks at the Hanford Site. Methods and technology will be used to evaluate methods to fill the compromised bottom portions of tanks with an amount of self-leveling material, creating a new bottom of the tank.

STATEMENT OF WORK OVERVIEW

Objective

- Demonstrate repairing a storage tank back into service by filling the compromised bottom portion of the tank with an amount of self-leveling material, creating a new bottom of the tank.

STATEMENT OF WORK OVERVIEW

Scope

- The development of this technology will be accomplished in two stages. The first stage is the demonstration of vendors technologies and abilities on scaled demonstration vessels that represent the Double Shell Tanks (DST) at the Hanford side. The second stage is the optimization and further bench testing and development from technologies identified in stage 1 that are capable.
- WRPS may award one or more subcontracts as a result of this solicitation. Award will be made to the Offeror that represents Best Value.

STATEMENT OF WORK OVERVIEW

Stage 1

- Demonstrate repairing a representative scaled storage tank, by filling the compromised bottom portion of the tank with an amount of self-leveling material, creating a new bottom of the tank.
- This demonstration will be accomplished by using materials to repair the scaled storage tank. Materials to be used may include grout/polymer/epoxy or combination of materials. The damaged portions of the tank will be representative of expected conditions within current tanks currently in use at Hanford. The damaged portions will include oxidation and through floor penetrations.

STATEMENT OF WORK OVERVIEW

Stage 1 Key Activities:

- Demonstration of False Bottom repair technique.
- Qualification of the repair through hydrostatic testing or other methods.

Scaled Vessels For Demonstrations

Vessels for demonstration scope are currently in Design Phase

Expected size of Vessel

- 7 feet in diameter
- 3 feet deep
- Flat bottom
- Open lid or opening - No top to tanks.
- Tank will be elevated to support inspection from below
- 'Under Tank' inspections provide approx. 30 inches of clearance

Testing/Demonstration Site

- Testing to be performed at WRPS Cold Test Facility (CTF)

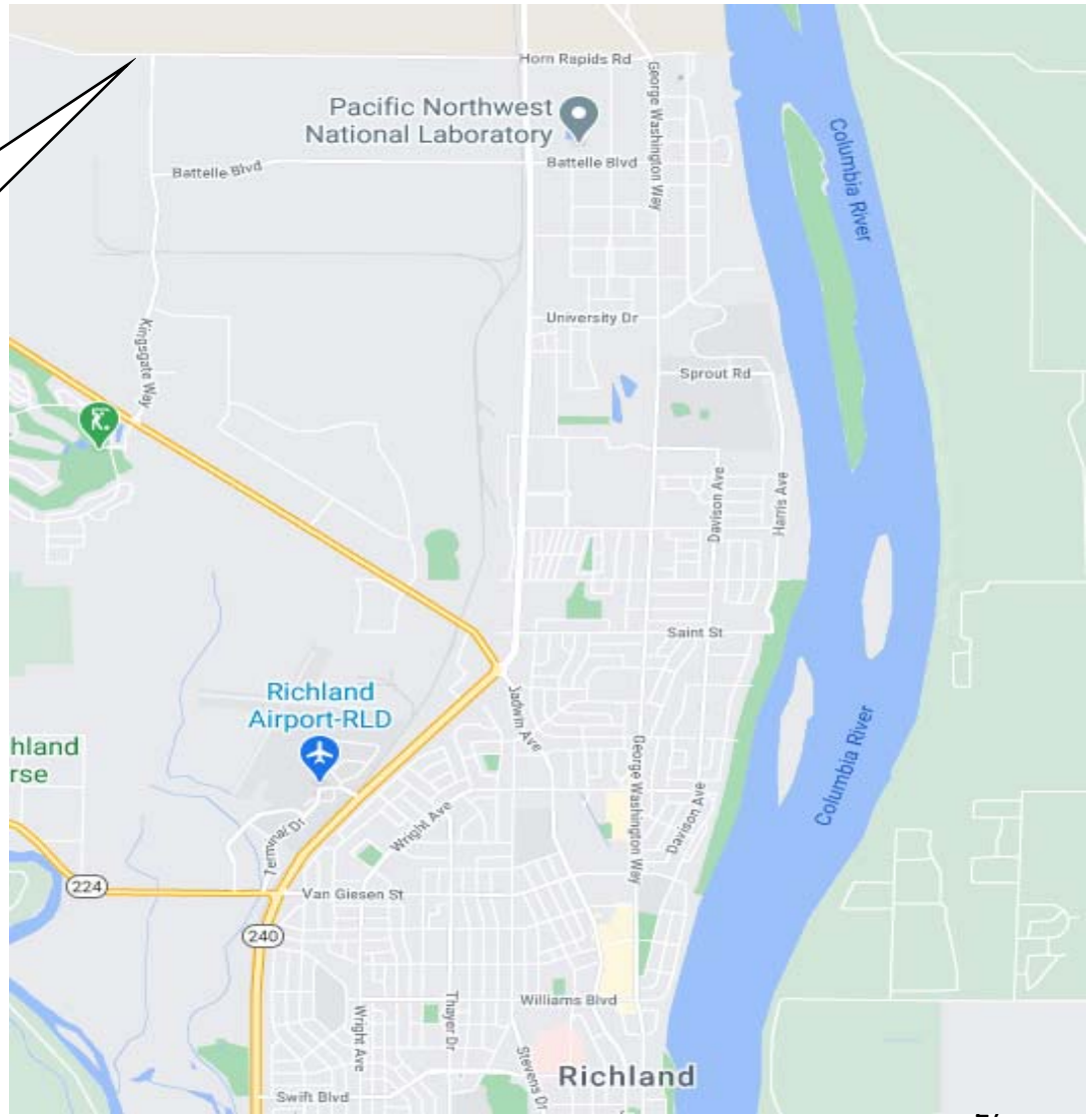
  2850 Horn Rapids Rd

  Richland WA

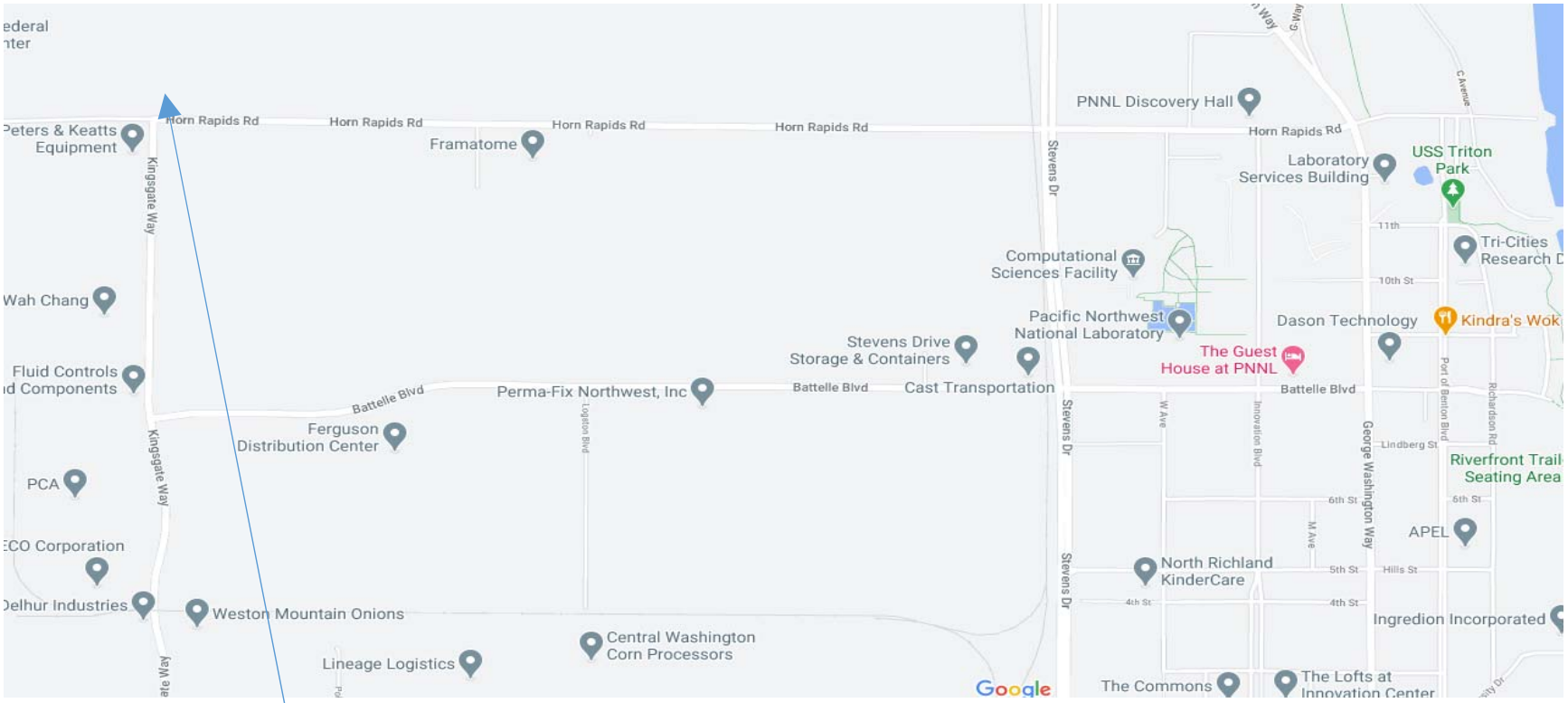
- The WRPS Cold Test Facility requires Hanford site visitor badging
- Test Site Conditions
  - Vessels that represent the Double Shell Tanks (DST) are expected to be on a gravel pad
  - It is expected that no cover will be available
  - It is expected that no other structures will be near test location
  - If minimum clearance/path requirements exist for vendors equipment, needs to be stated in Proposal

Testing/Demonstration Site (Continued)

WRPS Cold Test Facility (CTF)
2850 Horn Rapids Rd



Testing/Demonstration Site (Continued)



WRPS Cold Test Facility (CTF)
2850 Horn Rapids Rd

STATEMENT OF WORK OVERVIEW

Stage 2 - OPTION

Stage 2 shall only be authorized after successful completion of Stage 1. It is expected that not all vendors shall be provided authorization for Stage 2. Final selection for Stage 2 shall be based on WRPS evaluation of qualification data and Technical Approach from Stage 1.

Chemical Inventory Worksheet Submittal Requirements

MSR Submittal

- Forms
  - Washington River Protection Services Chemical Inventory Worksheet (Form A-6006-240, Rev 3)
  - Chemical Inventory Worksheet Instruction
- Submittal requirement is 'As Needed'. For approval of site demonstrations, required five (5) days prior to on-site demonstrations

Chemical Inventory Worksheet

Washington River Protection Services

CHEMICAL INVENTORY WORKSHEET

Permission to use this form as an alternate to individual container tracking per TFC-OPS-WM-C-35, *Chemical Management Process*, is at discretion of the BTR and the Chemical Management POC, and will be communicated during the pre-construction meeting. At the Subcontractor's discretion, when individual containers will be tracked in accordance with TFC-ESHQ-IH-C-47, Section A of this form may be used to provide the chemical product information. See instructions (A-6006-240I) for examples of products that must be managed as chemicals.

This form must be fully completed and submitted to provide Chemical Inventory Use Status at the completion of the project. A fully completed year-end update must be submitted if the project carries across calendar years.

1. Submittal No.:	2. Subcontractor Name:	
3. Project No.:	4. Project Title/Description:	
5. Subcontractor Point of Contact:	Phone Number:	E-mail:

A. CHEMICAL PRODUCT INFORMATION

(Enter the Hanford SDS-MSDS number if known, otherwise attach a copy of the SDS-MSDS)

6. Product Name/Manufacturer *(as listed on the SDS-MSDS)*	7. Hanford SDS-MSDS No.	8. SDS-MSDS Date	9. Estimate Quantity Needed	10. Intended Primary Storage Location

B. WHILE PRODUCTS ARE ON SITE *(Required no later than 5 working days of arrival on site)*				**C. INVENTORY USE STATUS**		
6a. Product Name/Manufacturer *(as listed on the SDS-MSDS)*	11. Container Description	12 Date In	13. Maximum Quantity	14. Date Out	15. Quantity Used	16. Quantity Removed

17. Updated chemical inventory information: *(check all that apply)*

☐ Additional Product(s) ☐ Inventory arrived on site ☐ Change to maximum inventory ☐ Change of primary storage location

☐ Change in container size or type ☐ Other *(describe)*: _____

18. Inventory Use Status Submission: *(indicate type)* ☐ **Project Completion** ☐ **Year End Update**

The information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

Subcontractor:

_____	_____	_____
Print First and Last Name	*Signature*	*Date*

QUESTIONS - TECHNICAL