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## **1.0 INTRODUCTION / BACKGROUND**

The Integrated Disposal Facility (IDF) is a Resource Conservation and Recovery Act (RCRA) permitted landfill located on the Hanford site that is managed by CPCCo. IDF's primary function is to provide a disposal location for the vitrified tank waste from the Waste Treatment Plant. Once disposal begins, any leachate generated by the disposal cells will be collected in Leachate Collection Tanks then sent to the Effluent Treatment Facility (ETF). The current strategy for transporting leachate from IDF to ETF is via a liquid tanker trailer. This contract is issued for the purchase of one (1) liquid tanker trailer in support of Central Plateau Cleanup Company (CPCCo) work scope.

## **2.0 DESCRIPTION OF WORK – GENERAL**

CPCCo requires one (1) liquid tank trailer for use at IDF in accordance with the requirements of this Statement of Work (SOW).

Supplier shall provide and manage the labor, equipment, material, and services required to complete the tasks and deliverables identified herein.

## **3.0 DESCRIPTION OF WORK – SPECIFIC**

The supplier shall provide one (1) liquid tank trailer that meets the specifications listed in Attachment 1 – *Equipment Specifications*. Supplier will also provide an Operations and Maintenance manual (O&M), spare parts list, shop drawings, manufacturers cut sheets for materials or components, and a certification that the delivered equipment is in conformance with the required Department of Transportation (DOT) regulations and the specifications in this SOW.

### **3.1 Organizational Interfaces**

The contractual interface for this work is the CPCCo Contract Specialist (or designee). The CPCCo Buyer Technical Representative (BTR) (or designee) will act as the technical point of contact.

### **3.2 Buyer Furnished Materials and Equipment**

None

### **3.3 Site Coordination Requirements**

If onsite access is required, site visitation will be coordinated through the Contract Specialist.

## **4.0 TECHNICAL REQUIREMENTS**

Supplier will perform all work in strict accordance with requirements, design criteria, national, state and local codes and standards, specifications, drawings, exhibits, and any other documents, which by reference are made a part of the Statement of Work.

CPCCo reserves the right to perform source inspections before and during fabrication. Inspections will be arranged jointly by CPCCo and Supplier.

**4.1 Specifications**

Tanker trailer specifications are found in Attachment 1 – *Equipment Specifications*

**4.2 Exhibits**

The Forms shown in the following table are hereby incorporated into and made a part of this Contract.

| Specification No.  | Title                                       |
|--------------------|---|
| A- Form A-6004-757 | Contractor Document Submittal               |
| B- Form A-6004-833 | Request for Clarification/Information (RCI) |

**4.3 Design Changes**

After award, any proposed changes to the equipment specifications need to be approved by the Buyer. Supplier shall use the Request for Clarification/Information (RCI) process to request and receive approvals for changes.

**5.0 PERSONNEL REQUIREMENTS**

**5.1 Training and Qualification**

Supplier shall ensure that assigned personnel have the appropriate education, training, experience and skills to accurately perform the work of this contract.

**6.0 ENVIRONMENTAL, SAFETY, HEALTH, AND QUALITY REQUIREMENTS**

Supplier shall be responsible for performing quality workmanship and shall conduct the quality control measures necessary to ensure work conforms to the technical requirements above.

**6.1 Quality Assurance**

**6.1.1 Procurement of Potentially Suspect or Counterfeit Items**

Notwithstanding any other provisions of this agreement, the Supplier warrants that all items provided to the Buyer shall be genuine, new and unused unless otherwise specified in writing by the Buyer. Supplier further warrants that all items used by the Supplier during the performance of work for the Hanford Site, include all genuine, original, and new components, or are otherwise suitable for the intended purpose. Furthermore, the Supplier shall indemnify the Buyer, its agents, and third parties for any financial loss, injury, or property damage resulting directly or indirectly from material, components, or parts that are not genuine, original, and unused, or not otherwise suitable for the intended purpose. This includes, but is not limited to, materials that are defective, suspect, or counterfeit; materials that have been provided under false pretenses; and materials or

items that are materially altered, damaged, deteriorated, degraded, or result in product failure.

Supplier shall provide a written statement that “all items furnished under this Purchase Order/Contract Order are genuine (I.e., not counterfeit) and match the quality, test reports, markings and/or fitness for use required by the Purchase Order/Contract Order.

The statement shall be on supplier letterhead and signed by an authorized agent of the supplier.

Any materials furnished as part of this Purchase Order/Contract Order which have been previously found to be suspect/counterfeit by the Department of Energy shall not be accepted.

For further information on suspect/counterfeit items, reference the Department of Energy (DOE) Guidance at:

<https://www.energy.gov/sites/default/files/2014/07/f17/Headmark%20List%203-29-12.pdf>

## **7.0 MEETINGS AND SUBMITTALS**

### **7.1 Meetings**

Supplier shall participate in the following meetings:

- A. Project Kickoff meeting. This meeting will be held after contract award to review contract requirements and processes, establish protocols for communications and interfaces, introduce key personnel and their roles and responsibilities, and review the project schedule. The agenda for the meeting will be provided by the Buyer.
- B. Any other meetings requested by the Buyer during the course of work as necessary. The person or persons designated by the Supplier to attend all meetings shall have all required authority to make decisions and commit Supplier to technical decisions made during meetings.

### **7.2 Submittals**

- A. The required submittals for this contract are listed in Attachment 2, Submittal Register.
- B. The Supplier submittals identified herein on the Submittal Register shall be submitted by the Supplier using the Contractor Document Submittal Form (CDSF) [A-6004-757](#) Instructions for completion of the CDSF are included with the form.
- C. CPCCo’s Document Management and Control System (DMCS) will be used to electronically manage document submittals and RCIs for this contract. The address to transmit submittals and RCIs to is [CPCCORecMgmtProgram@rl.gov](mailto:CPCCORecMgmtProgram@rl.gov).

**8.0 DELIVERABLES, PROJECT CONTROLS, MILESTONES, AND PERFORMANCE SCHEDULE REQUIREMENTS**

**8.1 Deliverables**

Deliverables under this SOW are one (1) Liquid Tanker Trailer that are ready to put into operation of transporting hazardous leachate and those items that are specified in the submittal log.

Contractor/Supplier shall deliver all equipment and other deliverables to the Hanford site, at the Integrated Disposal Facility in the 200 East Area. The Contractor/Supplier is responsible for all transportation.

Before scheduling deliveries, the Contractor/Supplier shall make specific schedule arrangements for the delivery of equipment/materials with the Buyer. Buyer will be responsible for off-loading equipment at Buyer's location. The Contractor/Supplier bears all responsibility for damage or loss until delivery is made to the FOB point specified in the Contract.

**8.2 Schedule**

Depending on the estimated lead time, the Supplier may be required to submit a schedule that includes tasks that could substantially impact the delivery date (e.g. material acquisition, fabrication, certification, etc).

Requested delivery date by September 1, 2022.

**STATEMENT OF WORK**

**IDF Liquid Tanker Trailer**

**ATTACHMENT 1 – Equipment Specifications**

|                             |  |
|-----------------------------|--|
| Trailer Type                | Stainless Steel  |
| Code                        | Non-Code   |
| Shape                       | Double Conical 12" Drop  |
| Operating Pressure          | Atmospheric  |
| Max. Product Density        | 10 lbs./ U.S. Gallon   |
| Max. Loading Temp.          | 150° F max. Operating Temperature  |
| Product(s)                  | Leachate and Materials compatible with Design of Tank                          |
| Fifth Wheel Height          | Standard 50  |
| Compartment(s)              | One (1) Compartment  |
| Capacity                    | 8,000 U.S. Gallons + 1%  |
| Baffle(s)                   | None   |
| Shell                       | SA240-304/304L <b>2B</b> Finish 10 Gauge (0.1345")                             |
| End Heads                   | SA240-304/304L <b>2B</b> Finish 10 Gauge (0.1345") Flanged & Dished Heads      |
| Bulk Head(s)                | N/A  |
| Weld Finish                 | W-2 Inside and Outside to Free of Weld Spatter and Weld Smoke                  |
| Manway(s)                   | One (1) 20" Stainless Manway Assembly located near center                      |
| Cleanout(s)                 | None-Optional  |
| Overturn Protection         | SST Spilldam around Manhole  |
| Overturn Drain(s)           | 2" polyethylene drain hoses on each side ending at bottom with drain.          |
| Number of Axles             | Three (3)  |
| Glandhands                  | Phillips or Equivalent   |
| ABS                         | Yes  |
| Number of Tires             | 12   |
| Landing Gear Crank Location | Roadside   |
| Kingpin Plate               | 5/16" Heavy-Duty Upper Plate with Hubbed Kingpin – Adjustable by 2" Increments |
| Ladder(s)                   | SST Ladder located at Curbside for easy access to walkway                      |

**STATEMENT OF WORK**

**IDF Liquid Tanker Trailer**

**ATTACHMENT 1 – Equipment Specifications (cont)**

|  |   |
|--|---|
| Safety Hand Rails                                  | Hand Rails outside of Main Ladder Rails extended up to meet walkway safety railing.   |
| Top Walkway  | Aluminum gripstrut working platform on top of tanker with safety railing  |
| Vent(s)  | Pressure/Vacuum Vent Mounted in Manhole Cover   |
| Discharge Vent(s)                                  | 4" nozzle with two (2) offset splash guard discs  |
| Outlet(s)  | One (1) 6" Stainless Drain Pocket Sump Located at Center of Trailer   |
| Discharge Valve(s)                                 | One (1) 6" Pneumatic Operated Sliding Valve, w/heat tube  |
| Piping   | 6" 90 Degree TTMA flanged Stainless Steel Elbow Attached to Discharge Valve, 6" piping run to Curbside, ending with a 6" male camlock adapter |
| Pump-off Line                                      | 4" SST sch40 load/unload line, located on top, in spilldam to extend to within 1" of bottom center of tank                                    |
| Adaptor and Cap                                    | 4" Cap on the 6" x 4" reducing coupler x adapter on discharge line.   |
| Nose Box   | Nose Box with J560 7-Way Plug with Circuit Breakers Located Low Roadside at Front   |
| Light System                                       | LED Lighting System with Combination Side Center Turn/Marker Lights and   |
| Coatings   | Any Steel Parts Not Painted will be Hot Dipped Galvanized. Axle and Trailing Arm Factory Painted with Soft Coat Grey.                         |
| Corrosion Resistance                               | Electrolysis barrier between all dissimilar metals.   |
| Conspicuity  | DOT 3M Tape per N.H.T.S.A. Requirements.  |
| Decals   | Standard Safety Decals  |
| Emergency Drain Decals                             | Four (4) 3" diameter round DOT decals, (1) curbside and (1) roadside on horizontal centerline on each end head.                               |
| Suspect/Counterfeit Items Statement of Conformance |   |
|  |   |



STATEMENT OF WORK

IDF Liquid Tanker Trailer

ATTACHMENT 2 – Submittal Register

The Supplier shall meet the required schedule and provide the documents specified in accordance with the following submittals

| Contract Number and Name: |                               |                        |                       |  |                                   |                           | Revision:                        |  |  |
|---------------------------|-------------------------------|------------------------|-----------------------|--|-----------------------------------|---------------------------|----------------------------------|--|--|
| 1. No.                    | 2. Type, and Number of Copies | 3. Technical Submittal | 4. Vendor Information | 5. Description / Document Title                  | 6. Submittal Date (Calendar Days) | 7. Approver Organizations | 8. CPCCo Review Time (Work Days) | 9. Contract Paragraph or Requirement Reference |  |
| 1                         |                               |                        |                       | Schedule   | Upon award                        |                           |                                  |  |  |
| 2                         | APW                           | Y                      | Y                     | Design/Shop/Fabrication Drawings                 | A+15                              |                           |                                  |  |  |
| 3                         | APW                           | Y                      | Y                     | Material Cut Sheets                              | A+15                              |                           |                                  |  |  |
| 4                         | AP                            |                        | Y                     | O&M manual                                       | EC, Prior to Delivery             |                           |                                  |  |  |
| 5                         | AP                            |                        | Y                     | Statement of Conformance with the Specifications | EC, Prior to Delivery             |                           |                                  |  |  |
| 6                         | AP                            |                        | Y                     | Spare Parts List                                 | EC, Prior to Delivery             |                           |                                  |  |  |
|                           |                               |                        |                       |  |                                   |                           |                                  |  |  |
|                           |                               |                        |                       |  |                                   |                           |                                  |  |  |



1. Typically a numerical sequence (i.e., 1, 2, 3,...). However, other numbering systems may also be used.
2. Submittal type, number of copies and format:
  - APW** = Approval Required Prior to Work (CPCCo must approve the Contractor's submittal prior to the Contractor being authorized to proceed with any activity/work associated with the submittal).
  - AP** = Approval Required (CPCCo must approve the Contractor's submittal, however, work associated with the submittal may proceed prior to CPCCo approval).
  - Format: Describes the type of submittal required (electronic or printed):
  - DWG** An AutoCAD drawing using the Hanford standard formatting (See CPCC-STD-EN-40279, *Engineering Drawing Standards*).
  - MFC** Microsoft Format Compatible application (Word, Excel, Access, PowerPoint)
  - P3** A Primavera Project Planner schedule
  - GEN** General or Open Format/Media
  - PDF** Adobe Acrobat (Portable Document Format)
3. Technical submittals are Engineering or Quality affecting submittals. A Yes in this column designates the need for formalized comments, and a formalized comment disposition process by the Contractor. Examples of Technical Submittals would include Engineering or Fabrication Drawings, or Certificates of Conformance.
4. Vendor Information for project record purposes.
5. Description / Document Title. Describe submittal.
6. Required submittal date or its relationship to project milestones. Examples are July 14, 2009, or Award + 15 days, Contract Completion +30 days.
 

|           |                             |
|-----------|-----------------------------|
| <b>A</b>  | Date of Award               |
| <b>CD</b> | Conceptual Design Complete  |
| <b>PD</b> | Preliminary Design Complete |
| <b>FD</b> | Final Design Complete       |
| <b>M</b>  | Mobilization                |
| <b>SC</b> | Start of Construction       |
| <b>EC</b> | End of Construction         |
7. Approver Organization. Examples are Construction Manager, Safety, Quality, Radiation Protection, and Waste Management.
8. The number of Work Days required for review of the submittal.
9. Contract Reference: Cross reference to the Contract requirement that defines this submittal: