

TRANSFER MECHANISM
REQUEST FOR INFORMATION

December 5, 2016

INTRODUCTION

THIS IS A REQUEST FOR INFORMATION (RFI) ONLY. This RFI is issued by CH2M Hill Plateau Remediation Company (CHPRC) solely for information and planning purposes – it does not constitute a Request for Proposal (RFP) or a promise to issue an RFP in the future. This request for information does not commit the CHPRC to contract for any supply or service whatsoever. Further, CHPRC is not at this time seeking proposals and will not accept unsolicited proposals. Responders are advised that the CHPRC will not pay for any information or administrative costs incurred in response to this RFI; all costs associated with responding to this RFI will be solely at the interested party's expense. If a solicitation is released, it will be issued on CHPRC's Current Solicitations website at:

<http://chprc.hanford.gov/page.cfm/CurrentSolicitations>. It is the responsibility of the interested parties to monitor this site for additional information pertaining to this requirement.

CHPRC in support of the U.S Department of Energy (DOE) is requesting information from interested contractors to supply a transfer mechanism for transferring highly contaminated soils waste soil from one hot-cell to another for final disposal. The transfer mechanism will support the effort to remove the contaminated soil from beneath the B-Cell of the 324 Building, a non-reactor, Category 2 nuclear facility located in the 300 Area of the United States DOE Hanford Site.

CHPRC is interested in identifying potential suppliers, which can include teaming arrangements that have the capability to supply the transfer mechanism.

BACKGROUND

The transfer mechanism is installed within a high-radiation and radiological-contaminated hot cell and used to transfer waste bins between hot cells. It is comprised of three (3) main assemblies: 1) transfer mechanism cart, 2) frame assembly and 3) locking through-tube assembly. The cart transports the waste bin between hot cells and is driven by redundant gear motors. The frame is the main structure that the supports the rails with which the cart moves back and forth. The rail is hinged and can be lifted up to allow the hot cell door to close. The locking through-tube assembly is designed to go through penetrations located under the hot-cell door and provides a fixed connection to the hot-cell wall. The transfer mechanism is remotely operated from a control trailer located outside of the facility. Renderings of the transfer mechanism and the main assemblies are provided in the figures below.

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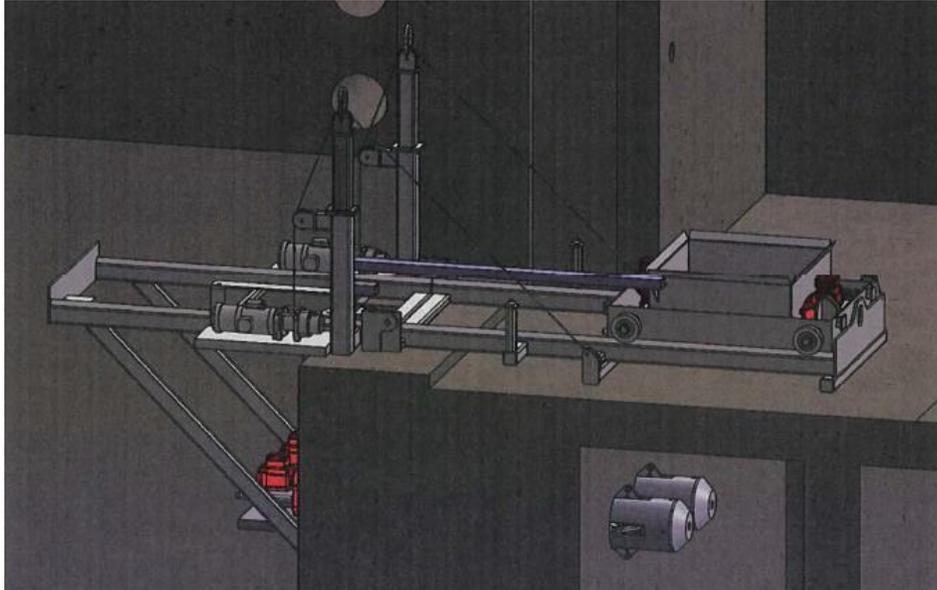


Figure 1. Transfer Mechanism Assembly – as installed

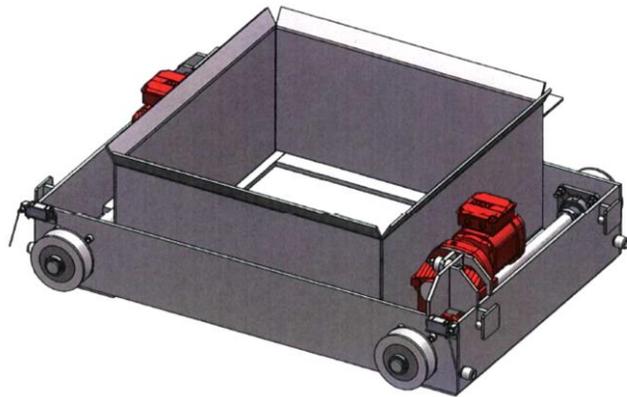


Figure 2. Transfer Mechanism Cart

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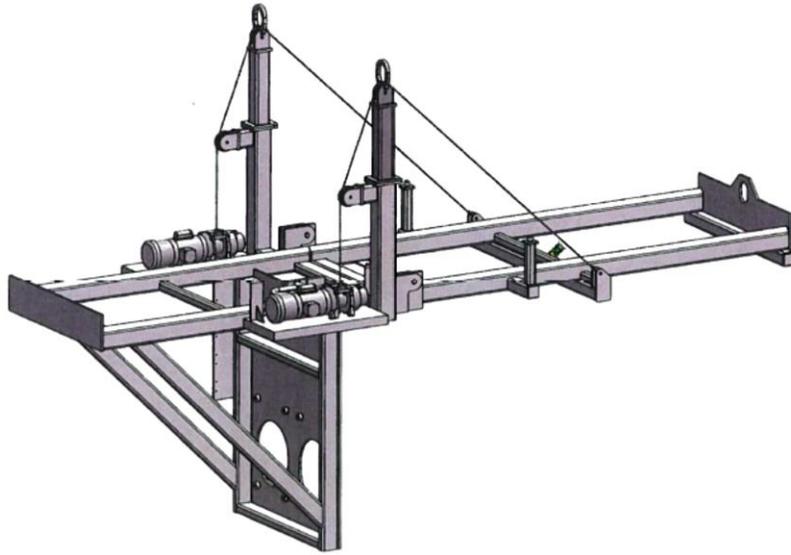


Figure 3. Frame Assembly

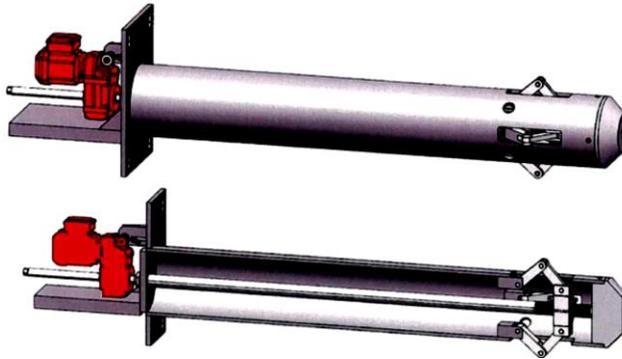


Figure 4. Locking Through Tube Assembly

In addition the three main assemblies, there is a lifting device for remotely installing / removing the transfer mechanism cart onto the rails. A rendering of the lifting device for the transfer mechanism cart is provided in the figure below:

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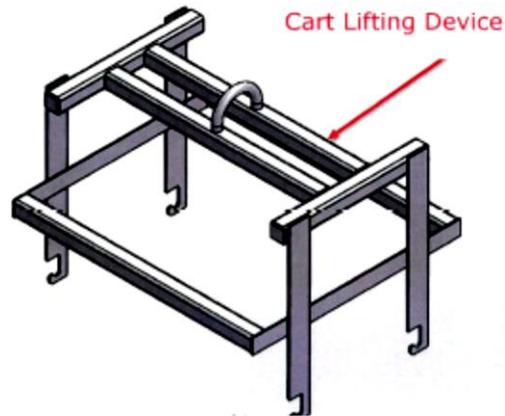


Figure 5. Transfer Cart Lifting Device

RESPONDING TO THE RFI

RFI responses shall be a Letter of Interest that should include:

1. Name of Organization(s)
 - a. Name of the primary point of contact for the response including:
 - i. E-mail address
 - ii. Phone number
 - b. Identification of other key individuals who collaborated on the RFI response
 - c. If teaming, include the names/organizations of those teaming partners and the expected role assigned to each
2. Submittal of Qualifications
 - a. Specific capabilities and recent relevant experience in successfully developing, manufacturing, testing, and delivering similar type equipment as the aforementioned transfer mechanism
 - b. Have engineering, quality, fabrication, manufacturing, procurement and testing capabilities
3. Budgetary Cost Estimate
 - a. Design completion, procurement and integration of components into a transfer mechanism
4. Schedule
 - a. An estimated timeline identifying the steps and durations that would enable delivery and installation of the transfer mechanism for acceptance testing by September 28, 2017.

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Of particular interest to CHPRC are the advantages that a contractor could offer with respect to shortening the development and testing schedule to deliver a transfer mechanism for mockup testing and training. This information will support future decisions by the CHPRC Soil Removal Project in developing its procurement strategy for the mechanism. If found advantageous, a Request for Proposal (RFP) will be issued in January of 2017.

It is CHPRCs preference to minimize any design iterations and utilize the existing design to the fullest extent possible. However, all information, options, and proposed alternatives will be considered. Simplicity in the design is sought without compromising the safety of the operating personnel.

The referenced specification is provided as guidance only in order for the contractors to develop an informed response. It will be the responsibility of contractor to ensure the transfer mechanism can be fabricated, integrated, and operated to satisfy the detailed functional requirements (to be provided with an RFP).

Information provided in response to this RFI will be treated as proprietary. If CHPRC chooses to engage a contractor to provide the transfer mechanism through an RFP, it is likely that the RFP will include an option to fabricate a second transfer mechanism for installation within the 324 Building. The selected contractor would not install equipment, but may be requested to provide installation support. The second transfer mechanism may have minor variances from the first set based on feedback from mockup testing and training.

Design Report Reference:

PRC-SRP-00027, DESIGN REPORT NARRATIVE FOR THE TRANSFER
MECHANISM, KUR-1782F-RPT-024 R0

RESPONSE SUBMISSION DEADLINE:

Responses to this RFI must be submitted no later than 1:00 pm Pacific Standard Time on December 27, 2016. RFI submissions will be accepted as e-mail attachments only. All responses must be sent to Doug Ordal, at [Douglas C Ordal@rl.gov](mailto:Douglas_C_Ordal@rl.gov), with “RFI 300-296 Transfer Mechanism Response” in the subject line.

CHPRC has determined that North American Industry Classification System (NAICS) Code 541330, Engineering Services, applies to this acquisition. Therefore, the size standard for determining whether an Offeror is a small business in regard to this acquisition is \$15M. If an RFP is issued, CHPRC retains the option of issuing the RFP as a small business set aside.

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QUESTIONS AND COMMENTS REGARDING THE RFI

The Contractors shall submit any comments or questions regarding the RFI to the Contract Specialist in writing no later than December 15, 2016. The Contractor may transmit questions and comments via fax or e-mail. The Contract Specialist will answer all questions in writing and post all questions and answers on the CHPRC website.

SITE TOUR

The attached reference information along with the responses to questions is expected to be adequate to prepare a response to this RFI. However, if a tour is necessary to prepare a response, a request should be submitted to the Contract Specialist no later than December 15, 2016.

SUBMITTAL ADDRESS

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