

**Red Hill Bulk Fuel Storage Facility, Administrative Order on Consent**  
**Scope of Work, Section 3 – Tank Upgrade Alternatives (TUA)**  
**5/4/2016 1030 HST Teleconference 1- 866-692-3158/5626636#**  
**Meeting Summary**

Participants:

Environmental Protection Agency  
State of Hawaii Department of Health, Solid and Hazardous Waste Branch, DOH  
Naval Facilities Engineering Command, Pearl Harbor, HI  
Naval Facilities Engineering Command Pacific  
HDR, Inc. (called in late)  
Enterprise Engineering Inc.

References

- (1) Red Hill Fuel Storage Facility AOC SOW Section 3, Tank Upgrade Alternatives (TUA), Draft Scope of Work Outline Submission , Transmitted 29 January 2016
- (2) EPA and Hawaii DOH letter to NAVFAC Hawaii, Scope of Work Comments and Completion of Scoping under Section 3.1 of the Red Hill Bulk Fuel Storage Facility Administrative Order on Consent, Statement of Work, dated 31 March 2016

Minutes

1. The purpose of teleconference meeting was to define “sufficient detail” as used in Reference (2).
2. A general discussion was held between EPA and EEI on the intent and their interpretation of “sufficient detail” and concluding with the following :

*The AOC SOW Section 3 TUA report shall include the following information for each of the final six (6) Tank Upgrade Alternatives:*

*Tank Upgrade*

- A. *An execution cost estimate inclusive of an engineer’s estimate of construction costs and associated government execution costs will be developed. This execution cost estimate will be based on normal and usual planning level guidelines for major military projects, using parametric estimating techniques.*
- B. *An estimate of execution time for each tank upgrade, and combinations of tank upgrades inclusive of typical government contracting time requirements.*

*Operation and Maintenance of Tank after upgrade*

- A. *A discussion of post construction operational and maintenance requirements that will ascertain tank integrity, and provide for the normal and usual repair and long term maintenance of the tank. Information on schedules of major events (frequency and duration), and parametric (planning level) cost estimates to execute recommendations will be provided.*
3. Participants did agree that Scoping per Section 3.1 can be concluded if no additional issues surfaced during the 10-12 May 2016 meetings with Hawaii BOW, Hawaii DLNR and USGS.
4. Conference Call adjourned at approximately 1105 HST