

Beatty TAG meeting summary

Date: April 19, 2016

Location: Carson City, teleconference with Las Vegas and US NRC

The RCP will lead this group. The NDEP, USGS, DRI, NRC & DOE will bring advice, guidance and technical expertise. The TAG will request subject matter experts to serve in an advisory role:

- Craig Benson, PhD, PE, NAE Dean of Engineering and Hamilton Endowed Chair in Engineering, University of Virginia
- Vaughn Thurgood, PE, Director of Engineering, US Ecology

It was discussed the goals should be to begin discussion of the status of the site as of today and of possible solutions for long term repairs to the site. In addition, developing the steps needed to be taken to achieve the long term repair (Scope of work (SOW)/Request for Proposal (RFP)). Begin brainstorming of ideas and considerations to be taken in to account when developing a long term solution requirements for NRC, EPA, & Nevada for the site.

The TAG will develop a SOW, RFP, utilize technical expertise, involve public stakeholders, Legislature and the Governor's Office. Through these processes, complete a project for a sustainable, safe site.

Key Technical Objectives:

- **Geotechnical Stability:** It was discussed that there is differential settlement which needs to be addressed. The characterization of the void spaces should be completed. This will help understand how the ground will support a cover. Discussion of the means to determine the type and amount of compaction settlement (static, dynamic or grouting).
- **Infiltration:** water access into the cap
- **Run-On:** Run-on is controlled by a drainage way created between RCRA trench 12 and LLRW Trench 22, 3, 5, 4, 2 and 1. It is also controlled by a drainage way between RCRA trench 11 and LLRW Trench 7, 14, 10, 17, 18, 15, and 19
- **Cover Material Selection:** Engineering analysis and new Hazwaste-Chemical trench 13 offers a great deal of materials.
- **Other :** requirements by state and federal agencies, future of the site, inventory release mechanisms, release criteria, water holding capacity testing (surface materials testing).