

ENVIRONMENTAL MANAGEMENT ADVISORY BOARD
ENVIRONMENTAL MANAGEMENT TANK WASTE SUBCOMMITTEE
U.S. DEPARTMENT OF ENERGY
WORKPLAN

Subcommittee's Designation. Environmental Management Tank Waste Subcommittee (the Subcommittee).

Authority. The Subcommittee is being established under the Environmental Management Advisory Board (EMAB), whose charter is in accordance with the provisions of the Federal Advisory Committee Act (FACA), as amended, 5 U.S.C. App. 2.

Objectives and Scope of Activities. The Subcommittee provides independent technical review of the Office of Environmental Management's tank waste cleanup program at Hanford, Washington, the Savannah River Site in South Carolina, and the Idaho National Laboratory and will focus on facilities being planned, designed and constructed at those sites. The Subcommittee advises on a wide range of matters, including, but not limited to, technical improvements to the strategy for retrieving waste from storage tanks and subsequently immobilizing the waste for eventual disposal. This includes review of the strategies for implementing such projects, the proposed pretreatment and treatment processes, the technical design of specific facilities, and the safety of such facilities. The Subcommittee will produce reports and propose recommendations to the EMAB as necessary.

Description of Duties. The duties of the Subcommittee are solely advisory in nature.

Official to Whom the Subcommittee Reports. The Subcommittee reports to the Assistant Secretary for Environmental Management through the EMAB.

Deputy Designated Federal Officer (DDFO). A full-time or permanent part-time DOE employee, appointed in accordance with agency procedures, will serve as the DDFO. The DDFO (or designee) will call for or approve all of the subcommittee's meetings, prepare and approve all meeting agendas, and attend all subcommittee meetings

Estimated Number and Frequency of Meetings. The Subcommittee expects to meet as frequently as needed and approved by the EMAB Chairman.

Duration. In view of the goals and purpose of the Board, the Subcommittee is expected to be continuing in nature.

Membership and Designation. The Subcommittee will be comprised of member(s) from the EMAB and supplemented by individuals with specific technical expertise. Members must have demonstrated an expertise in the following areas including, but not limited to: radioactive tank waste remediation strategies and techniques; the conversion of concept design documents to detailed design drawings, specifications and material/equipment requisitions; chemical process

flow sheet development; process engineering; construction, operations, and project management; and design.

The initial charge of the subcommittee is to complete a report on the following issues:

1. **Verification of closure of Waste Treatment and Immobilization Plant (WTP) External Flowsheet Review Team (EFRT) issues.**

The Subcommittee should verify that technical resolutions for the 28 issues identified by the EFRT are being or have been successfully implemented to ensure that engineering and design activities can be completed to reduce WTP project risk.

2. **WTP Technical Design Review**

The WTP is at approximately 80% design completion. The Subcommittee should perform a systems-based review of the design against the contract functional requirements.

The Subcommittee should address and provide advice on the following areas related to the design: 1) technical risks have been adequately addressed in the design, and 2) design is sufficiently mature to allow proceeding with needed procurements and construction activities to meet WTP requirements.

3. **WTP Potential Improvements**

The WTP will treat 53 million gallons of highly radioactive waste in 177 underground tanks at Hanford over several decades. Therefore, the Committee should consider any technical improvements that could result in a net reduction in the life cycle cost and schedule of the tank waste cleanup provided that the improvements do not have an adverse impact on the WTP Total Project Cost or project completion date.

The Subcommittee may not work independently of the chartered Committee and must report their recommendations and advice to the full Committee for full deliberation and discussion. The subcommittee has no authority to make decisions on behalf of the full Committee, nor can it report directly to the DOE.

Recordkeeping. The records of the Subcommittee shall be handled in accordance with those of the EMAB.