AMPCO Interrogatory #90

Interrogatory

Reference: Ex D2 T2 S10 P15

Almost half of the D2O storage facility is located underground with the floor of the seismic dike located 13 m below ground level.

a) Please provide the meeting notice when the final decision to build tanks below grade was presented including:

- Attendees with job title, employer name, and years of experience in role
- Meeting presentation materials including economic evaluation and estimates for the below grade vs above grade storage tank location
- Meeting minutes

b) Who was the final OPG authority to approve a below grade storage tank facility? Please provide a copy of the approval document.

Response

a) Contrary to the suggestion in the question, there was no meeting where OPG decided to build the Seismic Dike for the D2O storage project. As explained in the evidence (Ex. D2-2-10, p. 17, lines 10-18), the seismic dike is necessary to ensure containment of the tritiated water stored in the project in the event of an earthquake and was sized to retain the entire contents of the storage tanks. The alternative to a seismic dike would have been to individually seismically qualify every tank and pipe that stores or transports D2O. This alternative was viewed as infeasible from the earliest consideration of the operational improvement project that preceded the D2O Storage Project. OPG always envisioned the preferred alternative for the project as including a seismic dike to contain tritiated water. For these reasons, the Heavy Water Management Building also contains a seismic dike.

b) All of the BCS approving funding for the project included a seismic dike. These documents have been provided as Ex. D2-2-10, Attachments 2k, 2m, 2n, 2o, 2p and 2q.