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PROJECT
FILE
2029 074-001

SUMMARY OF MEETING

Location EG&G Interlocken
 Date 15 September 1993 (1 00 4 00)
 Subject Ohmic Heating Demonstration Project OUI
 Attendees Cindy Gee (EG&G) Dennis Smith (EG&G) Kenneth Napp (WESTON) Gainer Dawson (ICF Kaiser) Theresa Bergsman (Battelle) Marsha Walter (Battelle)

Meeting called to discuss the applicability of Ohmic Heating remediation technology to site conditions at Operable Unit No 1

1) Napp presents a summary of hydrogeology in and around IHSS 119 1 This IHSS was the focus of conversation as the most significant organic contamination was found in this area

2) Napp presents evidence for the presence of residual or mobile free phase hydrocarbons at IHSS 119 1 within the former drum storage area Evidence includes soil gas survey results ground water chemistry and historical aerial photographs depicting the location of waste storage areas Cindy Gee points out to group that Napps emphasis on free phase hydrocarbons at this meeting differs somewhat from the presentation in the Draft RI Report which at EG&G direction down plays the likelihood of free phase This was said in response to Battelles request for a copy of the RI

3) A general discussion on the contaminant release mechanism dates of release and free phase hydrocarbon migration mechanisms concludes that drums stored on the surface released hydraulic oil spent chlorinated solvents or mixtures of both Based on this release model there is general agreement that free phase hydrocarbons are likely to be present and would be conducive to remediation by Ohmic Heating

4) Napp questions whether the presence of plutonium and americium in the subsurface near the water table would be mobilized by the heating component of the remedial technology Gainer Dawson and Battelle reps seemed to think it was not a significant concern

5) Battelle believes that thermal vaporization of groundwater overlying the bedrock would be the best way to de-water so as to expose any free-phase hydrocarbons in the saturated zone Bergsman asks Napp whether a vaporization rate of ten gallons per minute would be adequate for a treatment area with a radius

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of 40 feet Napp was pessimistic however based on the reported 1/2 gpm recovery rate in the french drain (per Cindy Gee) the other members of the group did not think the aquifer surrounding the treatment area could replenish the treatment area faster than ten GPM

6) Battelle and ICF Kaiser conclude that additional investigation in the form of a close spaced soil gas survey would be required to properly site the remediation equipment and to confirm the presence of free phase Napp suggests using work plan documents generated for the OU2 IM/IRA to guide the soil gas survey and to develop cost estimates

7) Meeting is adjourned and group prepares to visit the site