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ENGINEERING CHANGE NOTICEPage 1 of 41. ECN **603891**Proj.
ECN

2. ECN Category (mark one) Supplemental <input checked="" type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>	3. Originator's Name, Organization, MSIN, and Telephone No. M.D. Sweeney, Earth and Environmental Technical Services, H6-06, 376-3324		4. Date November 7, 1994
	5. Project Title/No./Work Order No. Interim Status Groundwater Monitoring Plan for the 200 East Area Liquid Effluent Retention Facility	6. Bldg./Sys./Fac. No. Liquid Effluent Retention Facility	7. Approval Designator QE
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-EN-AP-024 Rev. 1	9. Related ECN No(s). NA	10. Related PO No. NA
11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. NA	11c. Modification Work Complete NA _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) NA _____ Cog. Engineer Signature & Date

12. Description of Change
 Replace section 3.3.8 and Table 3.1 with the attached.



13a. Justification (mark one)	Criteria Change <input type="checkbox"/>	Design Improvement <input checked="" type="checkbox"/>	Environmental <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input type="checkbox"/>

13b. Justification Details
 The revised constituent list meets regulatory requirements. Unfiltered metals and tritium have not been detected in significant quantities in the groundwater, and are not constituents of concern for the LERF, or are not required for RCRA. Total dissolved solids analysis will be requested specifically in the future where the results are deemed necessary for proper groundwater evaluation.

14. Distribution (include name, MSIN, and no. of copies)
 See Distribution Sheet

RELEASE STAMP OFFICIAL RELEASE BY WHC DATE FEB 15 1995 <i>Sta. 21</i>

3.3.8 Monitoring Parameters

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Constituents and sampling frequencies required by 40 CFR 265.93 are listed in Table 3-1. Site-specific constituents listed are related to effluent streams stored in the LERF. These constituents include ammonium and 1-butanol.

Table 3-1. Constituents Tested in Groundwater Samples

Groundwater contamination indicator parameters	
pH	Semiannual
Specific conductivity	Semiannual
Total organic halogen	Semiannual
Total organic carbon	Semiannual
Groundwater quality parameters	
Chloride	Annual
Sulfate	Annual
Phenols	Annual
Iron	Annual
Manganese	Annual
Sodium	Annual
Site-specific parameters	
Ammonium	Semiannual
1-butanol	Semiannual
Gross alpha	Semiannual
Gross beta	Semiannual
Alkalinity	Annual

Distribution list for ECNs and EDT (100 Areas RCRA) Mary Hartman

ECN-603891

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