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70-0040

CSN: .....

Media: Air, Water, Solid, Hazardous

Sort: Permit, Compliance

September 19, 1995

Mr. Jerry Delavan, P.G.
Arkansas Department of Pollution Control & Ecology
8001 National Drive
PO Box 8913
Little Rock, AR 72219-8913

Re: Proposed Groundwater Monitoring Plan
Revision to Section 4.2.4
CAO-LIS-95070
WC File: 95B165-GMP-1

Dear Mr. Delavan:

The above-referenced plan was hand delivered to you on September 7, 1995. Attached is a revised page containing the above-referenced section. The first paragraph of Section 4.2.4 is revised is to correctly list the constituent nitrate instead of nitrate plus nitrite. Please contact either of the undersigned if you have any questions or comments.

Sincerely,

Mary D. Beckfor

Ray A. Quick, P.G.
Branch Manager

C. R. Smith

Charles R. Smith, P.G.
Assistant Project Hydrogeologist

cc: Mr. John Carver, EDC

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Two equipment rinsate samples will be collected during the course of the investigation. Equipment rinsate samples will be collected by pouring laboratory-supplied analyte-free water over and through decontaminated probe rods. The rinsate samples will be collected following completion of installations in the anticipated downgradient direction in areas which are suspected to contain detectable levels of the target constituents.

4.2.4 Laboratory Analyses

All samples will be analyzed for the following target constituents: nitrate, sulfate, total lead, and total chromium.

Analytical methods, containers, preservatives and holding times are as follows:

- Nitrate - EPA 9200, 250 mL plastic, 4°C, 2 days
- Sulfate - EPA 9038, 250 mL plastic, 4°C, 28 days
- Lead - EPA 7421, 250 mL plastic, pH < 2.0 - $HN0_3$ and 4°C, 6 months
- Chromium - EPA 7190, 250 mL plastic, pH < 2.0 - HNO_3 and 4°C, 6 months

4.2.5 Monitoring Network Survey

Following completion of the sampling point installations, a survey will be conducted to establish horizontal and vertical locations of the sampling points. At a minimum, the survey will consist of the following:

- horizontal definition of all sampling points with respect to an established plant coordinate system;
- vertical definition of ground surface elevation (with respect to mean sea level) at each sampling location; and
- vertical definition of elevations of reference points (with respect to mean sea level) as established during groundwater level measurements.

Additionally, any existing wells or piezometers used for measurement of groundwater elevations will be included in the survey. The horizontal and vertical locations of points used to reference the measurements (typically the top of casing) will be established.

Survey activities will be conducted under the supervision of an Arkansas Registered Land Surveyor. A detailed plat showing the precise locations of the borings will be prepared by the surveyor.