


ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

TO: Larry Wilson  
FROM: Dick Cassat   
DATE: October 2, 1996  
SUBJECT: El Dorado Chemical Groundwater Monitoring

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For a reasonable groundwater monitoring program for El Dorado Chemical, the following parameters should be analyzed:

Antimony  
Barium  
Beryllium  
Cadmium  
Chromium  
Lead  
Mercury  
Selenium  
Thallium

Nitrate  
Sulfate  
Chloride  
Ammonia  
Total Dissolved Solids

pH  
Specific Conductance  
Total Organic Carbon  
(These three would be used as indicator tests to assess change)

If the TOC is elevated from background levels, it would be helpful for complete assessment to have the testing of both volatiles and semivolatiles as listed in Reg. 22. If these are not done by EDC, the Department should do the testing when needed. The list above includes the parameters with drinking water standards that could be affected by the facility's operation. If the company provides at least 4 samplings with these tests, the list could then be modified to only the impacted parameters.