LOUISIANA ENERGY SERVICES

Environmental Report
Push-Pull Instructions
Revision 14, March 29, 1994

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NOTES:

1) Each page affected by this revision has the month and year of the revision printed in the lower right hand corner of the page.

2) The "List of Effective Pages" contains the latest revision and date of the revision affecting the page.

3) All changes or additions to text of each document are indicated by a sidebar (|) in the right hand margin. In the case of deletion of text, the sidebar appears in the right hand margin with a perpendicular line towards the text (⊣) indicating where material was deleted.

Louisiana Energy Services

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March 29, 1994

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Table 4.1-2

Construction/Operation Manpower Requirements

Year	Average Construction Employment	Average Operation Employment
1995	25	0
1996	150	10
1997	300	120
1998	400	145
1999	250	180
2000	80	180
2001	0	180

4.1.1.4 Effects on Terrain

Construction activities are not expected to have any adverse effects on the terrain outside the construction area. Effects on the terrain are to be confined to the project area where construction activities are to include: clearing, grubbing, excavation, filling, grading, stock-piling, and building. These alterations are not expected to cause any permanent adverse effects.

The anticipated effect of clearing operations on the terrain is the short term increase in potential soil erosion, which will be mitigated by proper construction techniques. Erosion control measures will be implemented as necessary (Section 4.1.1.3).

A secondary effect of the clearing operations on the terrain is a reduction in natural aesthetic quality. However, as much of the site as practicable is to be cleaned up and landscaped with appropriate grasses, shrubs and trees after construction.

Earthwork cut and fill operations are necessary to obtain a level site area. Cut and fill calculations (Reference 16) performed indicate a fairly balanced amount (400,000 cubic yards - see Table 4.1-3) of cut and fill at a grade elevation of 325+0, after removal of surface soils containing organic materials. The surface soils will either be retained for use as topsoil in landscaping at the facility or spoiled off site. To account for fill compaction and fill material needed to construct the Hold-Up Basin dam, an additional 6 inches of cut is required, bringing the finished site grade elevation to 324+6.

4.1.1.5 Effects on Vegetation and Wildlife

As part of the construction of the LES facility, vegetation in the immediate facility area is to be completely cleared. This will result in the loss of the use of approximately 70 acres of the 442 acre site for the lifetime of the plant. Of these 70 acres, approximately 50 acres are recently (within the last year) harvested upland mixed pine/hardwood forest, 14 acres are upland pine forest, and 6 acres are upland mixed pine/hardwood forest harvested 5 to 10 years ago (see Section 2.7.1 and Figure 2.7-1). Construction of the Hold-Up Basin will result in the loss of use of approximately 3 additional acres of recently harvested upland mixed pine/hardwood forest. Commercially important timber species that will be lost from these habitats as a result of plant and Hold-Up Basin construction include loblolly pine, southern red oak, red maple, and sweetgum.

Impacts on the plant community are expected to be limited to the loss of vegetation in the immediate construction area. Dust generation during clearing and construction will be controlled and, therefore, is not likely to interfere (by covering leaf

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4.5 RADIOACTIVE MATERIAL MOVEMENT

The transportation of radioactive materials may have environmental effects. In this section a description is provided of the uranium feed to be used, the quantities of radioactive materials transported to and from the site, and the radioactive wastes from the site.

4.5.1 URANIUM FEED

The uranium feed for the Claiborne Enrichment Center (CEC) is natural uranium in the form of uranium hexafluoride (UF6). No reprocessed uranium is used as feed material for the facility. The uranium hexafluoride (UF6) is transported to the facility in 48X or Y cylinders. These cylinders are designed, fabricated and shipped in accordance with American National Standard (ANSI) N14.1-1987, Uranium Hexafluoride - Packaging For Transport. Feed cylinders are transported to the site by modified flat bed truck, two per truck. Therefore, a maximum of 55,120 pounds (27,560 pounds per cylinder) is transported per truck. There are approximately 470 feed cylinders or 235 shipments of feed cylinders per year.

4.5.2 URANIUM PRODUCT

The product of the CEC is transported in 30B cylinders. These cylinders are designed, fabricated and shipped in accordance with American National Standard (ANSI) N14.1-1987, Uranium Hexafluoride - Packaging For Transport. Product cylinders are transported from the site to fuel fabrication facilities by modified flat bed truck, typically two per truck although up to 5 product cylinders could be transported on the same truck. Therefore, a maximum of 25,100 pounds (5,020 pounds per cylinder) of enriched uranium could be transported per shipment. There are approximately 472 product cylinders shipped per year.

4.5.3 URANIUM WASTES

Detailed descriptions of radioactive waste materials which will be shipped from the CEC facility for disposal are presented in Section 3.3. Table 3.3-8 presents a summary of these waste materials.

4.5.4 TRANSPORTATION

The feed and product materials of the facility will be transported by truck. Feed material is obtainable from UF6 conversion facilities near Gore, Oklahoma and Metropolis, Illinois. The product could be transported to fuel fabrication facilities near Hanford, Washington; Columbia, South Carolina; Wilmington, North Carolina; Windsor, Connecticut; Lynchburg, Virginia; or Hematite, Missouri. The designation of the supplier

of UF6 and the product receiver is the responsibility of the customer. Table 4.5-2 lists the approximate highway distances from the CEC to the conversion facilities and fuel fabrication facilities.

Assurance procedures which meet US Environmental Protection Agency guidelines.

On August 13, 1990 slug tests were performed on each of the seven onsite wells. The tests were performed in order to obtain hydraulic conductivity estimates. The test involved the measurement of the initial water level in the well using an electronic water level indicator marked in hundredths of a foot. A slug of water was then evacuated from the well using a teflon bailer, and the water levels were measured at time intervals using the electronic water level indicator. These data (water level recovery vs. time) were analyzed using a BASIC program which statistically fits a line (by least squares) to the plotted points. Based on these plots and well configuration data, the hydraulic conductivity is calculated. While not precise, this method allows for an order of magnitude estimate to be made for hydraulic conductivity.

Both 2- and 3-dimensional contouring of shallow groundwater levels on site were performed using the Surfer graphics package. The average of the water levels measured August 1 and 13, 1990 were used for contouring, and the statistical inverse-distance method was applied to the data. This method was selected over the linear kriging approach because the highly variable geology and topography (and hence groundwater levels) are not expected to conform to a linear approximation. The extreme variability is most recognized between the central ridge on the property (wells A-1, E-1, and F-1) and the southwest drainage basin (well C-1).

Deep groundwater beneath the LES property was evaluated by means of the Theis equation (Reference 2) to evaluate the possible effects of anticipated water withdrawals from the Sparta Aquifer by the CEC (see Section 2.5.2.4). The Theis equation is applicable to confined aquifer conditions and is used for the prediction of drawdown at any distance from a pumping well for any time. The solution ignores recharge to the aquifer and, therefore, is considered to be conservative. Known aquifer transmissivity and storativity values and a range of pumping rates were used to estimate these drawdowns. In addition, the effects of withdrawals from the Central Claiborne Water System Well #4 were assessed individually and coupled with the withdrawals by the facility.

Prior to facility operations, water levels in the existing preoperational survey wells that are not removed or closed due to construction activities will continue to be monitored on a quarterly schedule to document the seasonal range of groundwater fluctuations at the site.

6.1.2 AIR

No onsite monitoring of meteorological or air quality conditions at the CEC has been conducted; therefore, all data used in this

TABLE 6.1-3

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
*Airborne Particulate (d)	AP1 - One sample located in the sector with the highest prevailing wind direction. To be located in the area with the highest Chi/Q for that sector near the site boundary. AP2 - One sample located in the sector with the second highest prevailing wind direction. To be located in the area with the highest Chi/Q for that sector near the site boundary. AP3 - One sample located near the resident who is maximally exposed from the gaseous pathway. AP4 - One sample located in the west sector. To be located near the site boundary corresponding to the highest Chi/Q in that sector. AP5 - One sample located in the east sector near the site boundary corresponding to the highest Chi/Q in that sector.	Air sampler with a particulate filter, operating continuously and collected and analyzed weekly.

Note *Selection of initial sectors shall be based on Shreveport data. After five years (maximum 66 months) of onsite meteorological monitoring, the sector selection will be reevaluated. Sampling locations shall be modified to meet the criteria specified in this table. The reevaluation shall be performed every five years (maximum 66 months) after the initial and subsequent evaluations. Necessary changes shall be implemented within six months of the evaluation.

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
	AP6 - One sample located in the south sector near the site boundary, corresponding to the highest Chi/Q in that sector. If this sector is already represented by another air sampling site corresponding to the AP1 through AP4 sites above, then site AP6 is not needed.	
	AP7 - One sample located in the north sector near the site boundary, corresponding to the highest Chi/Q in that sector. If this sector is already represented by another air sampling site corresponding to the AP1 through AP4 sites above, then site AP7 is not needed.	
Airborne/ Soil (e,f)	S1-S16 - Samples to be collected near the site boundary in each sector. One sample per site.	Collected and analyzed quarterly. Combine samples from sixteen sectors into four composites as described in footnote f.
Airborne/ Vegetation (f,g)	V1-V16 - Samples to be collected near the site boundary in each sector. One sample per site.	Collected and analyzed quarterly. Combine samples from sixteen sectors into four composites as described in footnote f.

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
Liquid/ Ground Water (h)	GW1 - Same as chemistry well # A1. (Figure 6.2-2) GW2 - Same as chemistry well # B1. (Figure 6.2-2) GW3 - Same as chemistry well # C1. (Figure 6.2-2) GW4 - Same as chemistry well # D1. (Figure 6.2-2) GW5 - Same as chemistry well # E1. (Figure 6.2-2)	Grab samples to be collected and analyzed quarterly.
Liquid/ Shoreline Sediment (i)	SS1 - To be collected near the outflow of Bluegill Pond. SS2 - To be collected near the inflow of Bluegill Pond from the Hold-Up Basin. SS3 - To be collected near the south shore of Bluegill Pond. SS4 - To be collected near the north shore of Bluegill Pond. SS5 - To be collected at Lake Claiborne.	Grab samples to be collected and analyzed quarterly.
Liquid/ Bottom Sediment (i)	BS1 - To be collected from the east end of Bluegill Pond. BS2 - To be collected from the center of Bluegill Pond. BS3 - To be collected from the west end of Bluegill Pond.	Grab samples to be collected and analyzed quarterly.

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
	BS4 - To be collected from the center of the Hold-Up Basin.	
	BS5 - To be collected at Lake Claiborne.	
Liquid/ Surface Water (h)	SW1 - Inflow to Lake Avalyn. Same location as chemistry surface water location #1. This is the control location.	Grab samples collected and analyzed quarterly. Locations correspond to those shown on Figure 6.2-1 for chemistry surface water collections. Note that some chemistry sites are not needed in the radiological sampling.
	SW5 - Inflow to Bluegill Pond. Same location as chemistry surface water location #5.	
	SW6 - Bluegill Pond, near the center. Same as chemistry surface water location #6a.	
	SW7 - Outflow from Bluegill Pond. Same as chemistry surface water location #7.	
	SW8 - Site drainage stream. Same as chemistry surface water location #8.	
	SW9 - Outflow at the western property boundary. Same chemistry surface water location #9.	
	SW11 - Hold-Up Basin. Take sample from center of basin. No corresponding chemistry location.	
	SW12 - Lake Claiborne. Take sample at inflow point of Cypress Creek. No corresponding chemistry surface water location.	

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

(a) This table presents an acceptable minimum program for a site at which each entry is applicable. The program may be enhanced at any time. The code letters in parenthesis (i.e., AP1, SW2) provide one way of defining generic sample locations and can be used to identify the specific locations during the designation of each sample site.

(b) Sufficient volumes of samples will be collected when available, using accurate sample collection methods to ensure the attainment of Lower Limits of Detecting as specified in Table 6.1-4.

(c) Samples collected will be sent to an appropriate laboratory for analysis via a reliable shipping organization. A sample transmittal form will accompany the samples. Samples will be packaged in a manner to ensure the integrity of each during transit. Perishable samples shall be refrigerated as soon as possible by the receiving laboratory. Samples requiring analysis as a composite will be stored in a manner to ensure the integrity of the sample until the composite analysis has been performed.

(d) Air particulate samples will be collected on filters attached to continuously operating air samplers. Samples are to be collected weekly and analyzed for gross alpha after each collection. Radon and thoron daughter decay shall be allowed prior to gross alpha analysis. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(e) Soil samples will be collected using scoops, shovels, etc. as appropriate. Collect the top surface of the soil, not to reasonably exceed a depth of two to four inches.

(f) Sectors shall be combined thusly:

Composite 1 = sectors N, NNE, NE
Composite 2 = sectors E, SSE, SE
Composite 3 = sectors S, SSW, SW
Composite 4 = sectors W, NNW, NW

PREOPERATIONAL RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

(g) Representative vegetation samples will be obtained as they are available (seasonal variations may occur). If no vegetation sample is available, obtain the sample at a location as near as possible (within the same sector) to the designated site. Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(h) Water samples will be collected using water collection buckets, bottles, pumps, etc. and stored in clean containers. Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(i) Sediments will be collected using a device that will gather the top surface of the sediment, not to reasonably exceed a depth of six to eight inches. Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

NOTE: The number, media, frequency, and location of samples may be enhanced to reflect the facility's operating history and other information. Any modifications to the program shall be documented.

TABLE 6.2-1

SUMMARY OF ENVIRONMENTAL RADIOLOGICAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
* Airborne Particulate (d)	AP1 - One sample located in the sector with the highest prevailing wind direction. To be located in the area with the highest Chi/Q for that sector near the site boundary. AP2 - One sample located in the sector with the second highest prevailing wind direction. To be located in the area with the highest Chi/Q for that sector near the site boundary. AP3 - One sample located near the resident who is maximally exposed from the gaseous pathway. AP4 - One sample located in the west sector. To be located near the site boundary corresponding to the highest Chi/Q in that sector. AP5 - One sample located in the east sector near the site boundary, corresponding to the highest Chi/Q in that sector.	Air sampler with a particulate filter, operating continuously and collected and analyzed weekly. Also, for site AP3, isotopic analysis shall be conducted on a composite sample on a semi-annual basis. The composite sample analysis shall be for U234, U235, and U238.

Note: *Selection of initial sectors shall be based on Shreveport data. After five years (maximum 66 months) of onsite meteorological monitoring, the sector selection will be reevaluated. Sampling locations shall be modified to meet the criteria specified in this table. The reevaluation shall be performed every five years (maximum 66 months) after the initial and subsequent evaluations. Necessary changes shall be implemented within six months of the evaluation.

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
	AP6 - One sample located in the south sector near the site boundary, corresponding to the highest Chi/Q in that sector. If this sector is already represented by another air sampling site corresponding to the AP1 through AP4 sites above, then site AP6 is not needed.	
	AP7 - One sample located in the north sector near the site boundary, corresponding to the highest Chi/Q in that sector. If this sector is already represented by another air sampling site corresponding to the AP1 through AP4 sites above, then site AP7 is not needed.	
Airborne/ Soil (e,f)	S1-S16 - Samples to be collected near the air boundary in each sector. One sample per site.	Collected and analyzed semi-annually. Combine samples from sixteen sectors into four composites as described in footnote f.

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
Airborne/ Vegetation (f,g)	V1-V16 - Samples to be collected near the site boundary in each sector. One sample per site.	Collected and analyzed semi-annually at the same time as soil sample collection. Combine samples from sixteen sectors into four composites as described in footnote f.
Liquid/ Ground Water (h)	GW1 - Same as chemistry well # B1. GW2 - Same as chemistry well # C1. GW3 - Same as chemistry well # E1.	Grab samples to be collected and analyzed semi-annually.
Liquid/ Shoreline Sediment (i)	SS1 - To be collected near the outflow of Bluegill Pond. SS2 - To be collected near the inflow of Bluegill Pond from the Hold-Up Basin. SS3 - To be collected near the south shore of Bluegill Pond. SS4 - To be collected near the north shore of Bluegill Pond. SS5 - To be collected near surface water site SW12 at Lake Claiborne.	Grab samples to be collected and analyzed semi-annually.

TABLE 6.2-1
Page 4 of 7

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
Liquid/ Bottom Sediment (i)	BS1 - To be collected from the east end of Bluegill Pond. BS2 - To be collected from the center of Bluegill Pond. BS3 - To be collected from the west end of Bluegill Pond. BS4 - To be collected from the center of the Hold-Up Basin. BS5 - To be collected near surface water location SW12 at Lake Claiborne.	Grab samples to be collected and analyzed semi-annually.
Liquid/ Surface Water (h)	SW1 - Inflow to Lake Avalyn. Same location as chemistry surface water location #1. This is the control location. SW5 - Inflow to Bluegill Pond. Same location as chemistry surface water location #5. SW6 - Bluegill Pond, near the center. Same as chemistry surface water location #6a. SW7 - Outflow from Bluegill Pond. Same as chemistry surface water location #7. SW8 - Site drainage stream. Same as chemistry surface water location #8.	Collected continuously via integrating water sampling equipment. Obtain monthly composites of integral water samples. Locations correspond to those shown on Figure 6.2-1 for chemistry surface water collections. Note that some chemistry sites are not needed in the radiological sampling.

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM

Pathway/ Sample type (a)	Samples and Locations	Sampling and collections (b,c)
	SW9 - Outflow at the western property boundary. Same chemistry surface water location #9.	
	SW12 - Lake Claiborne. Take sample at inflow point of Cypress Creek.	

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM
footnotes

(a) This table presents an acceptable minimum program for a site at which each entry is applicable. The program may be enhanced at any time. The code letters in parenthesis (i.e., AP1, SW2) provide one way of defining generic sample locations and can be used to identify the specific locations during the designation of each sample site.

(b) Sufficient volumes of samples will be collected when available, using accurate sample collection methods to ensure the attainment of Lower Limits of Detection as specified in Table 6.1-4.

(c) Samples collected will be sent to an appropriate laboratory for analysis via a reliable shipping organization. A sample transmittal form will accompany the samples. Samples will be packaged in a manner to ensure the integrity of each during transit. Perishable samples shall be refrigerated as soon as possible by the receiving laboratory. Samples requiring analysis as a composite will be stored in a manner to ensure the integrity of the sample until the composite analysis has been performed.

(d) Air particulate samples will be collected on filters attached to continuously operating air samplers. Samples are to be collected weekly and analyzed for gross alpha after each collection. Radon and thoron daughter decay shall be allowed prior to gross alpha analysis. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(e) Soil samples will be collected using scoops, shovels, etc. as appropriate. Collect the top surface of the soil, not to reasonably exceed a depth of two to four inches.

(f) Sectors shall be combined thusly:

Composite 1 = sectors N, NNE, NE
Composite 2 = sectors E, SSE, SE
Composite 3 = sectors S, SSW, SW
Composite 4 = sectors W, NNW, NW

(g) Representative vegetation samples will be obtained as they are available (seasonal variations may occur). If no vegetation sample is available, obtain the sample at a location as near as possible (within the same sector) to the designated site.

SUMMARY OF RADIOLOGICAL ENVIRONMENTAL MONITORING
SAMPLING SITES - OPERATIONAL PROGRAM
footnotes

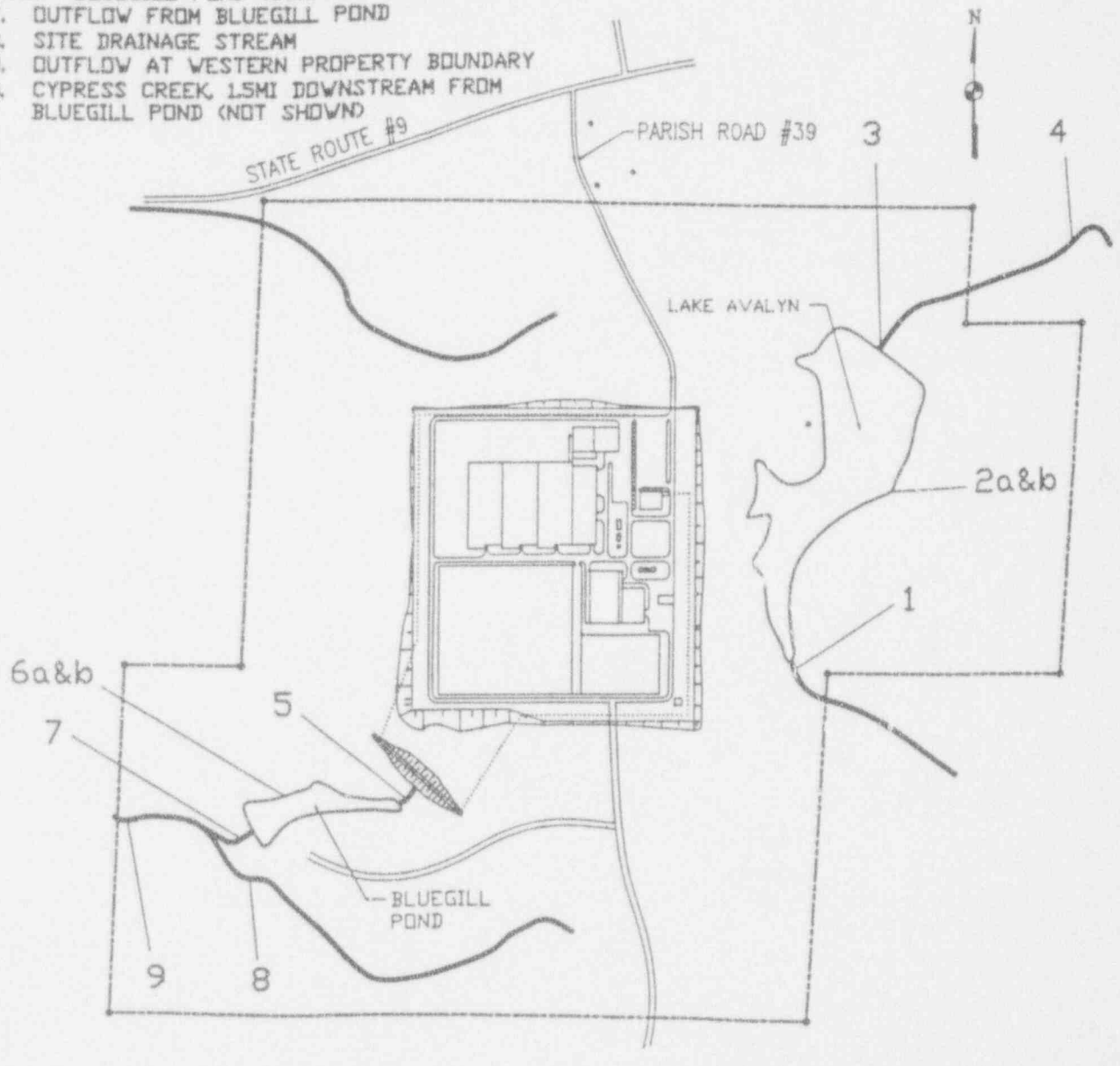
Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(h) Water samples will be collected using water collection buckets, bottles, pumps, etc. and stored in clean containers. Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

(i) Sediments will be collected using a device that will gather the top surface of the sediment, not to reasonably exceed a depth of six to eight inches. Samples are to be analyzed for gross alpha. If gross alpha action levels are exceeded, isotopic analysis shall be performed.

NOTE: The number, media, frequency, and location of samples may be enhanced to reflect the facility's operating history and other information. Any modifications to the program shall be documented.

1. INFLOW TO LAKE AVALYN
2a&b. LAKE AVALYN (SURFACE & BOTTOM)
3. OUTFLOW FROM LAKE AVALYN (LOCATION #1)
4. OUTFLOW FROM LAKE AVALYN (LOCATION #2)
5. INFLOW TO BLUEGILL POND
6a&b. BLUEGILL POND (SURFACE & BOTTOM)
7. OUTFLOW FROM BLUEGILL POND
8. SITE DRAINAGE STREAM
9. OUTFLOW AT WESTERN PROPERTY BOUNDARY
10. CYPRESS CREEK, 1.5MI DOWNSTREAM FROM BLUEGILL POND (NOT SHOWN)



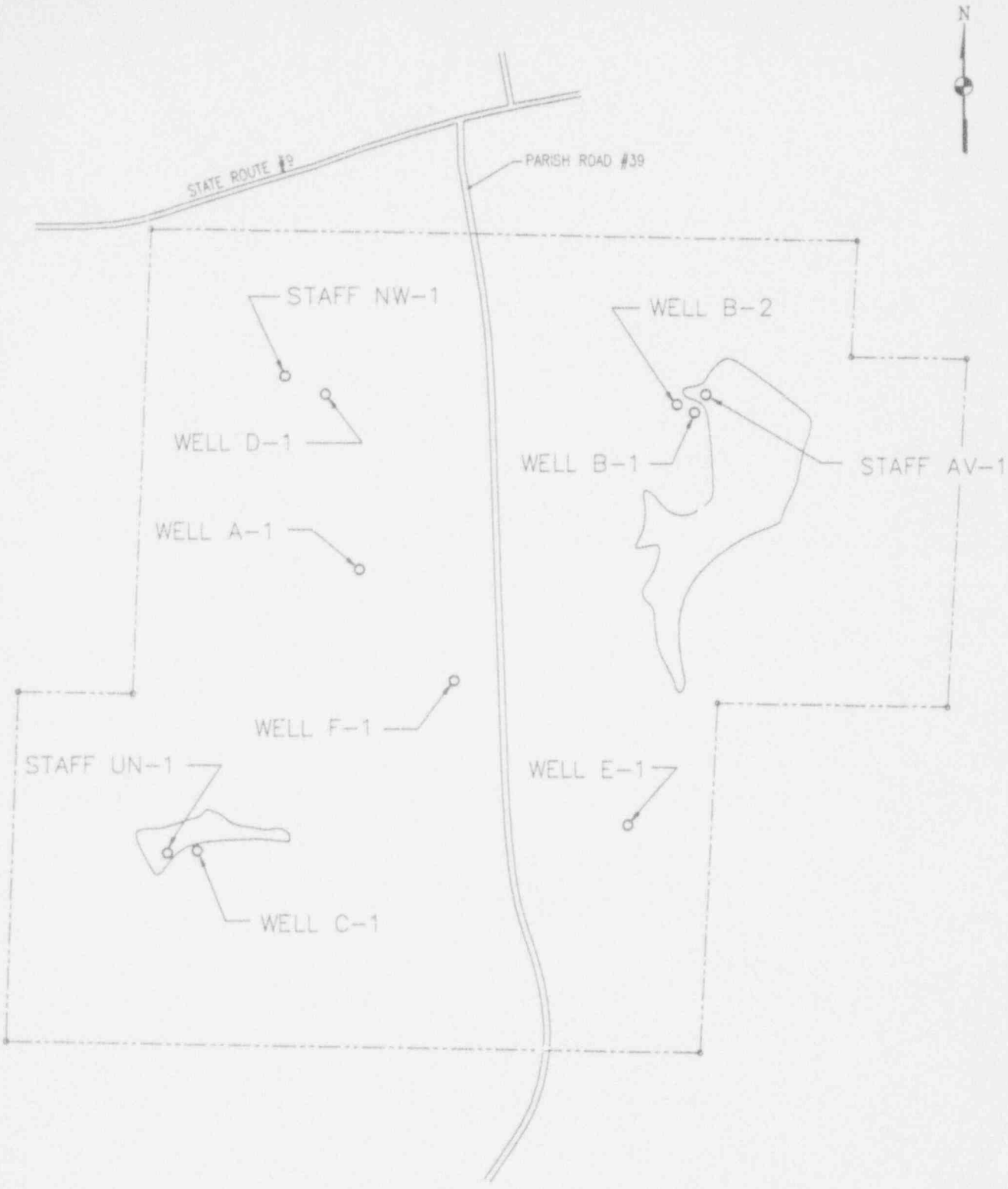
LOUISIANA ENERGY

CLAIBORNE ENRICHMENT CENTER

Surface Water Chemistry Monitoring Locations

Figure 6.2–1

MARCH 29, 1994



LOUISIANA ENERGY

CLAIBORNE ENRICHMENT CENTER

Ground Water Chemistry
Monitoring Locations

Figure 6.2-2

MARCH 29, 1994

Table 9.4-1 (Page 1 of 4)
LES Claiborne Enrichment Center
Federal and State Authorizations

Agency	Activity/Authorization	Date of Issue or Initiation	Current Status
Federal:			
Nuclear Regulatory Commission (NRC)	Construction and Operating License.	Application filed January 31, 1991.	Approval pending.
U. S. Environmental Protection Agency (USEPA)	National Pollutant Discharge Elimination System (NPDES) permit authorization to construct and discharge wastewaters.	Application filed June 30, 1992.	Approval pending.
U.S. Army Corp of Engineers (COE)	Construction activities in wetlands area; dredge and fill permit.	Wetlands on site not affected by construction and operation.	Permit not needed.
U. S. Environmental Protection Agency (USEPA)	Approval to construct facility in accordance with 40 CFR Part 61.07. (National Emissions Standards for Radionuclide Emissions From Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not Operated by the Department of Energy).	Application filed on February 25, 1994.	Approval pending.

Table 9.4-1 (Page 2 of 4)
LES Claiborne Enrichment Center
Federal and State Authorizations

Agency	Activity/Authorization	Date of Issue or Initiation	Current Status
State:			
Louisiana Department of Environmental Quality (LADEQ)	Wastewater discharge permit for treated sanitary and process system effluents.	Application filed on June 30, 1992.	Approval pending. LADEQ in its DEIS comments recommended rerouting of Outfall 001 around Bluegill Pond.
Louisiana Department of Environmental Quality (LADEQ)	Air emissions discharge permit.	Application filed on June 30, 1992.	Approval pending.
Louisiana Department of Environmental Quality (LADEQ)	Water supply well and water distribution system.		Application will be made prior to construction and operation of water system.
Louisiana Department of Environmental Quality (LADEQ)	Notification and registration of fuel oil storage tanks.		Application will be made prior to use of fuel oil storage tanks.

Table 9.4-1 (Page 3 of 4)
LES Claiborne Enrichment Center
Federal and State Authorizations

Agency	Activity/Authorization	Date of Issue or Initiation	Current Status
Louisiana Department of Environmental Quality (LADEQ)	Registration of groundwater monitoring well(s).	Wells registered in June 1990.	Registration complete for current wells. Any future wells will likewise be registered.
Louisiana Department of Environmental Quality (LADEQ)	License and permit to receive, handle and store radioactive material(s).		Application will be made prior to receipt of nuclear material.
Louisiana Department of Environmental Quality (LADEQ)	Hazardous waste interim storage permit.		Application will be made prior to generation of hazardous waste.
Louisiana Department of Environmental Quality (LADEQ)	Erosion and sediment control plan during construction activities.		Application will be made prior to start of construction activities.
Louisiana Department of Transportation and Development.	Permit/approval to access state roadways.		Application will be made prior to accessing state roadways.
Louisiana Department of Transportation and Development.	Approval to allow LES to maintain and build earthen dam structures on site.		Application will be made prior to building dam structures on site.

Table 9.4-1 (Page 4 of 4)
LES Claiborne Enrichment Center
Federal and State Authorizations

Agency	Activity/Authorization	Date of Issue or Initiation	Current Status
Louisiana Department of Public Safety and Corrections.	Building permits for buildings on site.		Application will be made prior to construction of buildings.
Louisiana Department of Health and Human Services	Water supply permit.		Application will be made prior to extraction of water from beneath the site.
Louisiana Department of Environmental Quality (LADEQ)	Notification of solid waste generation (sewage).		Application will be made prior to production of solid waste.
Louisiana Department of Health and Human Services	Sewage facility approval.		Application will be made prior to production of solid waste.