

Ledbetter, Kevin

From: Kennedy, Susan Butler [SKENNEDY@southernco.com]
Sent: Tuesday, July 27, 2010 1:02 PM
To: Ledbetter, Kevin
Cc: Beaty, Kevin L.; Vick, James O.; Markey, Richard M.
Subject: RE: Draft Updated Ash Pond Language
Attachments: Draft Ash Pond Language_Gulf.docx

Kevin,

We've taken a look at the draft permit language and have provided comments on the attached file. I've left our comments as "track changes," so let me know if you have any questions.

I'm in the office today and tomorrow, but in the field Thursday and Friday. I'll be available via cell on Thursday and Friday.

Have a good afternoon,
Susan.

Susan B. Kennedy, Q.E.P.
Environmental Affairs
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0328
850-444-6153/cell 850-336-6153

From: Ledbetter, Kevin [<mailto:Kevin.Ledbetter@dep.state.fl.us>]
Sent: Friday, July 16, 2010 9:59 AM
To: Kennedy, Susan Butler
Subject: Draft Updated Ash Pond Language

Good morning Susan,

Please see above for updated draft language on the ash pond inspections for the Scholz permit. I *think* I covered all of your concerns that you had mentioned – please let me know your thoughts on it.

Sincerely,

Kevin Ledbetter
Engineering Specialist III
Florida Department of Environmental Protection
Industrial Wastewater Section
Power Plant NPDES Permitting
2600 Blair Stone Road, MS 3545 Tallahassee, Florida 32399-2400
(850)245-8042

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on [this link to the DEP Customer Survey](#). Thank you in advance for completing the survey.

A. Impoundment Design, Construction, Operation, and Maintenance

1. All impoundments used to hold or treat wastewater and other associated wastes shall be operated and maintained to prevent the discharge of pollutants to waters of the State, except as authorized under this permit.
2. Operation and maintenance of any impoundment shall be in accordance with all relevant applicable State and Federal regulations. When practicable, piezometers or other instrumentation shall be installed as a means to aid monitoring of impoundment integrity.

B. Impoundment Integrity Inspections

1. All ash pond dikes and toe areas shall be annually inspected by qualified personnel with knowledge and training in impoundment integrity. Additional inspections by qualified personnel shall be done within 7 days after large or extended rain events (i.e. 10-year, 24-hour precipitation event).
2. Inspections shall, at a minimum, include observations of dams, dikes and toe areas for erosion, cracks or bulges, seepage, wet or soft soil, changes in geometry, the depth and elevation of the impounded water, sediment or slurry, freeboard, changes in vegetation such as overly lush, dead or unnaturally tilted vegetation, and any other changes which may indicate a potential compromise to impoundment integrity.
- 3.1. No later than January 31, 2011, and annually thereafter, the Permittee shall survey all ash pond dikes and toe areas for structural integrity and a qualified, responsible officer shall certify that no breaches or structural defects resulting in the discharges to surface waters of the State and that no changes were observed which may indicate a potential compromise to impoundment integrity during the previous calendar year.

In the event that such defect(s) exists and results in potential discharge to surface waters of the State, the permittee shall notify the Department within 24 hours of becoming aware of the situation and provide a proposed course of corrective action and implementation schedule within fifteen (15) days after notifying the Department.

4. *Remediation Measures.* Within 24 hours of discovering changes that indicate a potential compromise to the structural integrity of the impoundment, the permittee shall begin procedures to remediate the problem.
2. Observed *Changes such as significant increases in seepage or seepage carrying sediment may be signs of imminent impoundment failure and should be addressed immediately.* Other issues which may have long term impacts on integrity, such as trees growing on the impoundment or vegetation blocking spillways, shall be cleared as soon as practicable after first observation of the issue.
- 5.3. Once each year during the term of this permit, the permittee shall certify that the ash pond provides the necessary minimum wet weather detention volume to contain the combined volume for all direct rainfall and all rainfall runoff to the pond resulting from the 10-year, 24-hour rainfall event and maximum dry weather plant waste flows which could occur during a 24-hour period. The basis for the annual certification shall be the most recent physical survey conducted and the amount of ash or other material disposed in or removed from the ash pond during the calendar year.

Another physical survey shall be conducted prior to the expiration date of this permit to be used as the basis for certification for the last calendar year of this permit and for certification required during the next permitting cycle.

C. Reporting and Recordkeeping Requirements for Impoundments

Formatted: Indent: Left: 0.5", Numbered + Level: 2 + Numbering Style: 1, 2, 3, ... + Start at: 1 + Alignment: Left + Aligned at: 0.75" + Tab after: 1" + Indent at: 1", Tab stops: Not at 1"

Formatted: Font: Italic

Formatted: Font: Italic

Formatted: Font: Bold, Font color: Black

1. Within 15 days of discovering any changes in the impoundment that indicate a potential compromise to the structural integrity, the permittee must notify the Department in writing describing the findings of the inspection, corrective measures taken, and expected outcomes.
2. ~~The summarized findings of all monitoring activities, inspections, and remediation measures pertaining to the structural integrity, and operation and maintenance of all impoundments shall be documented in a written inspection report. The reports shall be kept at the facility in accordance with permit Condition V.3, and made available to Department or Federal inspectors upon request.~~
3. ~~2.~~ All pertinent and currently available impoundment permits, design, construction, operation, and maintenance information, including but not limited to: plans, geotechnical and structural integrity studies, copies of permits, associated certifications by qualified, Florida-registered professional engineer, and regulatory approvals, shall be kept on site in accordance with permit Condition V.3 and made available to Department or Federal inspectors upon request.

Condition V.3 from the permit:

3. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. A copy of the current permit;
 - e. A copy of any required record drawings; and
 - f. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules.

[62-620.350]