

Delivered by email

May 8, 2020

Jerry W. and Sandra D. Medders

125 Hickory Point Road
Brunswick, GA 31520RE: Update on Georgia Power's Coal Ash Closure Activities and Groundwater
Assessment Monitoring

Dear Mr. & Mrs. Medders:

Thank you for speaking with our team on May 8, 2020. As discussed, Georgia Power Company has recently completed the excavation of its ash pond at Plant McManus. Ash removal was completed in October 2019, and activities around the former ash pond since that time have been to restore and re-vegetate the property. We anticipate being largely complete with the construction aspects of the restoration mid-summer this year (backfilling former upland areas of the pond, planting trees, grassing, and stabilizing the banks of the pond).

As part of the closure process, Georgia Power has installed numerous groundwater monitoring wells around the plant site. Georgia Power will continue to monitor and maintain the groundwater monitoring wells as required by federal and state rules regulating ash ponds¹. The monitoring is conducted periodically by third party experts, and the analyses are completed by independent laboratories. Reports from our findings are prepared, submitted to the Georgia Environmental Protection Division (EPD), and posted to our public website. Because current data indicates some groundwater on Georgia Power's property contains certain levels of regulated constituents, specifically arsenic and lithium, we have performed additional sampling of the water within the marsh as well as our former ash pond.

The results of that sampling and laboratory analysis of the water from the marsh and the former ash pond indicate arsenic concentrations meet the applicable instream water quality standard (0.036 milligrams per Liter [mg/L]). In addition, although lithium does not have an applicable water quality standard for surface water, lithium concentrations were consistent with background or natural conditions in the marsh. We have included a table with the results from the surface water sampling and a map showing the surface water sampling locations.

The marsh sampling was generally conducted to investigate the results from a single groundwater monitoring well, MCM-06, which currently shows an exceedance of the groundwater protection standard (GWPS) for lithium (regional screening level of 0.040 mg/L) and arsenic (site specific background of 0.031 mg/L). A map has been provided showing the location of this well.

¹ 40 C.F.R. § 257.95(g)(2) and Ga. Comp. R. & Regs. 391-3-4-.10(6)(a)

Georgia Power continues to work closely with the EPD to address remaining aspects associated with the closure of the former ash pond. The ash pond excavation and restoration is a significant milestone for Georgia Power. We value your input, and we would welcome the opportunity for continuing discussions so that we may address any of your questions or concerns.

Thank you for your time and attention. Our team will reach back out to you next week once you have had a chance to review the information. Feel free to contact me at any time as we work through this process.

Sincerely,

A handwritten signature in blue ink that reads "Aaron D. Mitchell". The signature is written in a cursive style with a large initial "A" and "M".

Aaron D. Mitchell
Environmental Affairs, General Manager
404-506-7757



Resolute
Environmental & Water Resources Consulting

Woodstock, GA

May 2020

Plant McManus
Sample Locations
Brunswick, GA

Figure
1

Table 1
Surface Water, Pond Water, and Groundwater Sample Results
Georgia Power Company Plant McManus, Brunswick, Georgia

Location	Sample Collection	Dissolved Arsenic (mg/L)	Dissolved Lithium (mg/L)
Surface Water			
BG-1LT	Low Tide	0.0014J	0.098
BG-2HT	High Tide	0.0016J	0.099
T1-1LT	Low Tide	<0.0012	0.022J
T1-1HT	High Tide	<0.0012	0.038J
T1-2LT	Low Tide	<0.0012	0.024J
T1-2HT	High Tide	0.0015J	0.088
T1-2HTS	High Tide	0.0015J	0.061
T1-3LT	Low Tide	<0.0012	0.019J
T1-3HT	High Tide	0.0016J	0.08
T1-3HTS	High Tide	0.0015J	0.072
T1-4LT	Low Tide	0.0016J	0.09
T1-4HT	High Tide	0.0019J	0.086
T1-4HTS	High Tide	0.0016J	0.083
T2-1HT	High Tide	0.0014J	0.059
T2-2LT	Low Tide	0.0016J	0.057
T2-2HT	High Tide	0.0015J	0.084
T2-2HTS	High Tide	0.0014J	0.06
T2-3LT	Low Tide	0.0012J	0.041J
T2-3HT	High Tide	0.0015J	0.093
T2-3HTS	High Tide	0.0015J	0.094
T2-4LT	Low Tide	0.0015J	0.077
T2-4HT	High Tide	0.0020J	0.092
T2-4HTS	High Tide	0.0016J	0.088
T3-1HT	High Tide	0.0016J	0.075
T3-2LT	Low Tide	0.0017J	0.079
T3-2HT	High Tide	0.0017J	0.087
T3-2HTS	High Tide	0.0017J	0.078
T3-3LT	Low Tide	0.0016J	0.078
T3-3HT	High Tide	0.0017J	0.088
T3-3HTS	High Tide	0.0019J	0.081
T3-4LT	Low Tide	0.0015J	0.072
T3-4HT	High Tide	0.0019J	0.1
T3-4HTS	High Tide	0.0016J	0.09
T4-1LT	Low Tide	0.0018J	0.056
T4-1HT	High Tide	<0.0012	0.033J
T4-1HTS	High Tide	<0.0012	0.058
T4-2LT	Low Tide	0.0012J	0.061

Table 1
Surface Water, Pond Water, and Groundwater Sample Results
Georgia Power Company Plant McManus, Brunswick, Georgia

Location	Sample Collection	Dissolved Arsenic (mg/L)	Dissolved Lithium (mg/L)
Surface Water			
T4-2HT	High Tide	<0.0012	0.042J
T4-2HTS	High Tide	0.0013J	0.064
T4-3LT	Low Tide	0.0021	0.037J
T4-3HT	High Tide	0.0023	0.064
T4-3HTS	High Tide	<0.0012	0.051
T4-4LT	Low Tide	<0.0012	0.036J
T4-4HT	High Tide	0.0017J	0.066
T4-4HTS	High Tide	<0.0012	0.041J
Pond Water			
Pond 1LT	Low Tide	<0.0012	0.019J
Pond 1HT	High Tide	<0.0012	0.020J
Pond 2LT	Low Tide	0.0013J	0.022J
Pond 2HT	High Tide	0.0012J	0.021J
Pond 3LT	Low Tide	<0.0012	0.021J
Pond 3HT	High Tide	0.0013J	0.020J
Pond 4LT	Low Tide	0.0013J	0.022J
Pond 4HT	High Tide	0.0013J	0.020J
Location	Sample Collection	Total Arsenic (mg/L)	Total Lithium (mg/L)
Groundwater			
MCM-06LT	Low Tide	0.44	0.094
MCM-06HT	High Tide	0.40	0.096

Notes:

1. mg/L indicates milligrams per liter.
2. < indicates the parameter was not detected above the laboratory method detection limit.
3. J indicates the parameter was detected between the laboratory method detection limit and the laboratory reporting limit.
4. LT – Low Tide – sample collected near the bottom of the water column at low tide.
5. HT – High Tide – sample collected near the bottom of the water column at high tide.
6. HTS – High Tide Shallow – sample collected near the top of the water column at high tide.
7. Samples were collected between February 3 and March 18, 2020.