

TurkeyPointLANPEm Resource

From: Foster, Stacy [Stacy.Foster@fpl.com]
Sent: Thursday, July 24, 2014 1:26 PM
To: Grange, Briana
Cc: Gless, Jodie
Subject: Turkey Point Aquifer Withdrawals and Canal Maintenance

Hello Briana,

There are two aquifers below the Cooling Canal System (CCS). The shallow aquifer is call the Biscayne Aquifer (approximately 90 feet deep) The deeper aquifer is called the Floridan Aquifer. There is a confining layer between the two aquifers. The current approved temporary water withdrawals are approximately 5 MGD from the Floridan Aquifer. The future withdrawals that FPL will request approval for from the South Florida Water Management District will be 14 MGD from the Floridan Aquifer. FPL also received temporary approval for an additional 30 MGD withdrawal from the saline portion of the Biscayne Aquifer. FPL has not utilized the 30 MGD withdrawal.

FPL is evaluating the longer term solution to improve the conditions of the CCS. Potential solutions are increase in aeration and demucking the bottom of the canals.

Thanks,

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Created By: Stacy.Foster@fpl.com

Recipients:

"Gless, Jodie" <Jodie.Gless@fpl.com>
Tracking Status: None
"Grange, Briana" <Briana.Grange@nrc.gov>
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