

Smith, George

From: Madden, Melissa
Sent: Friday, October 11, 2019 3:53 PM
To: SWD_Waste
Cc: Newsome, Kaitlyn
Subject: FW: Southeast Landfill, OGC File No. 17-0058August 2019
Attachments: SELF - Supplemental Assessment 2019-8.pdf

Please feel free to contact me with any questions or concerns.

Thanks, Melissa



Melissa Madden

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From: Townsel, Michael <TownselM@HillsboroughCounty.ORG>
Sent: Friday, October 11, 2019 3:47 PM
To: Madden, Melissa <Melissa.Madden@FloridaDEP.gov>
Cc: Chamberlain, Justin <Justin.Chamberlain@FloridaDEP.gov>; O'Neill, Joseph <ONeillJ@hillsboroughcounty.org>;
Watson, Edward <WatsonEd@hillsboroughcounty.org>
Subject: Southeast Landfill, OGC File No. 17-0058August 2019

Hi Melissa,

I wanted to notify you, the Adapt file, groundwater contour map, and lab data has been submitted for the third quarter of 2019 through the FDEP Business Portal as required. TDS and sodium continue to be slightly above the SDWS in well TH-83 at 650 mg/l and 280 mg/l, respectively. Monitoring wells TH-66A, TH-67, and TH-79 continue to exhibit overall good water quality. Please let me know if you have any questions regarding the data submitted.

Best Regards,

Michael D. Townsel

Senior Hydrogeologist

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**Southeast County Landfill
Supplemental Site Assessment Data
August 7, 2019**

| Field Parameters Detected | | | | | MCL Standard |
|----------------------------------------------------------------------------------------------------------------------|-------------|-------------|-------------|-------------|---------------------|
| | TH-66A | TH-67 | TH-79 | TH-83 | |
| conductivity (umhos/cm) (field) | 273.5 | 172.9 | 297.1 | 1204 | NS |
| dissolved oxygen (mg/l) (field) | 0.13 | 0.15 | 0.85 | 0.71 | NS |
| ORP (mV) | -102.3 | 92.5 | 13.9 | 126.5 | NS |
| temperature (°C) (field) | 26.5 | 27.9 | 27.4 | 28.5 | NS |
| turbidity (NTU) (field) | 2.89 | 5.21 | 16.6 | 3.13 | NS |
| pH (SU) (field) | 6.14 | 6.27 | 5.88 | 6.39 | (6.5 - 8.5)** |
| General Parameters Detected | | | | | MCL Standard |
| total dissolved solids (mg/l) | 160 | 110 | 170 | 650 | 500** |
| chloride (mg/l) | 9.5 | 5.1 | 8.8 | 280 | 250** |
| ammonia nitrogen (mg/l as N) | 0.72 | 0.08 i | 0.84 | 17 | NS |
| Metals Detected (mg/l) | | | | | MCL Standard |
| sodium | 6.1 | 1.8 | 8.7 | 120 | 160* |
| Notes: Reference Groundwater Guidance Concentrations, FDEP 2012 | | | | | |
| NS=No Standard | | | | | |
| MCL=Maximum Contaminant Level (Groundwater Standards) | | | | | |
| * = Primary Drinking Water Standards as per Chapter 62-550.310, F.A.C. | | | | | |
| **=Secondary Drinking Water Standards as per Chapter 62-550.320, F.A.C. | | | | | |
| 6.14 | | | | | |
| NTU=Nephelometric Turbidity Units | | | | | |
| i = reported value is between the laboratory method detection limit and the laboratory practical quantitation limit. | | | | | |
| u = parameter was analyzed but not detected. | | | | | |
| ug/l=micrograms per liter | | | | | |
| mg/l=milligrams per liter | | | | | |
| mV = millivolts | | | | | |