



BY ELECTRONIC MAIL

May 12, 2021

Ms. Rachel B. Patton, P.G.
Virginia Department of Environmental Quality – Tidewater Regional Office
5636 Southern Boulevard
Virginia Beach, VA 23462
rachel.patton@deq.virginia.gov

RE: Chesapeake Energy Center - Industrial Landfill, Solid Waste Permit No. 440:
Selenium Assessment of Corrective Measures Response to Comments

Dear Ms. Patton:

Dominion Energy is providing updated information regarding the Chesapeake Energy Center Landfill August 2016 Assessment of Corrective Measures (ACM) Addendum for selenium. The Department's review dated April 12, 2021, indicated that the ACM Addendum did not contain plume maps and that horizontal and vertical plume maps delineating the selenium plume should be submitted in 30 days utilizing recent data to better reflect current conditions. To address the Department's comment, laboratory analytical results for selenium from the 2020 second semi-annual sampling event were utilized to create horizontal and vertical plume maps (see attached Figure 1 and Figure 2, respectively). In addition, Table 1 Historical Total Selenium Concentrations has been updated to include the most recent and historical sampling data from compliance and Corrective Action Plan (CAP) wells.

As presented in the attached figures and table, selenium has not been detected at concentrations above the Groundwater Protection Standard (GPS) in any compliance or CAP well since 2016, including well CECW-3. Note that well CECW-3 has been dry since 2017, presumably due to placement of temporary cover on the landfill, and has been unable to be sampled. The selenium GPS exceedance in well CECW-3 in 2016 therefore appears to be related to low water levels in CECW-3. Given that selenium has not been detected above GPS for approximately 4 years, Dominion Energy requests that this constituent not be included in the Station's CAP.

If you have any questions regarding this information, please contact Kelly Hicks at (804) 273-4903 or via email at kelly.a.hicks@dominionenergy.com.

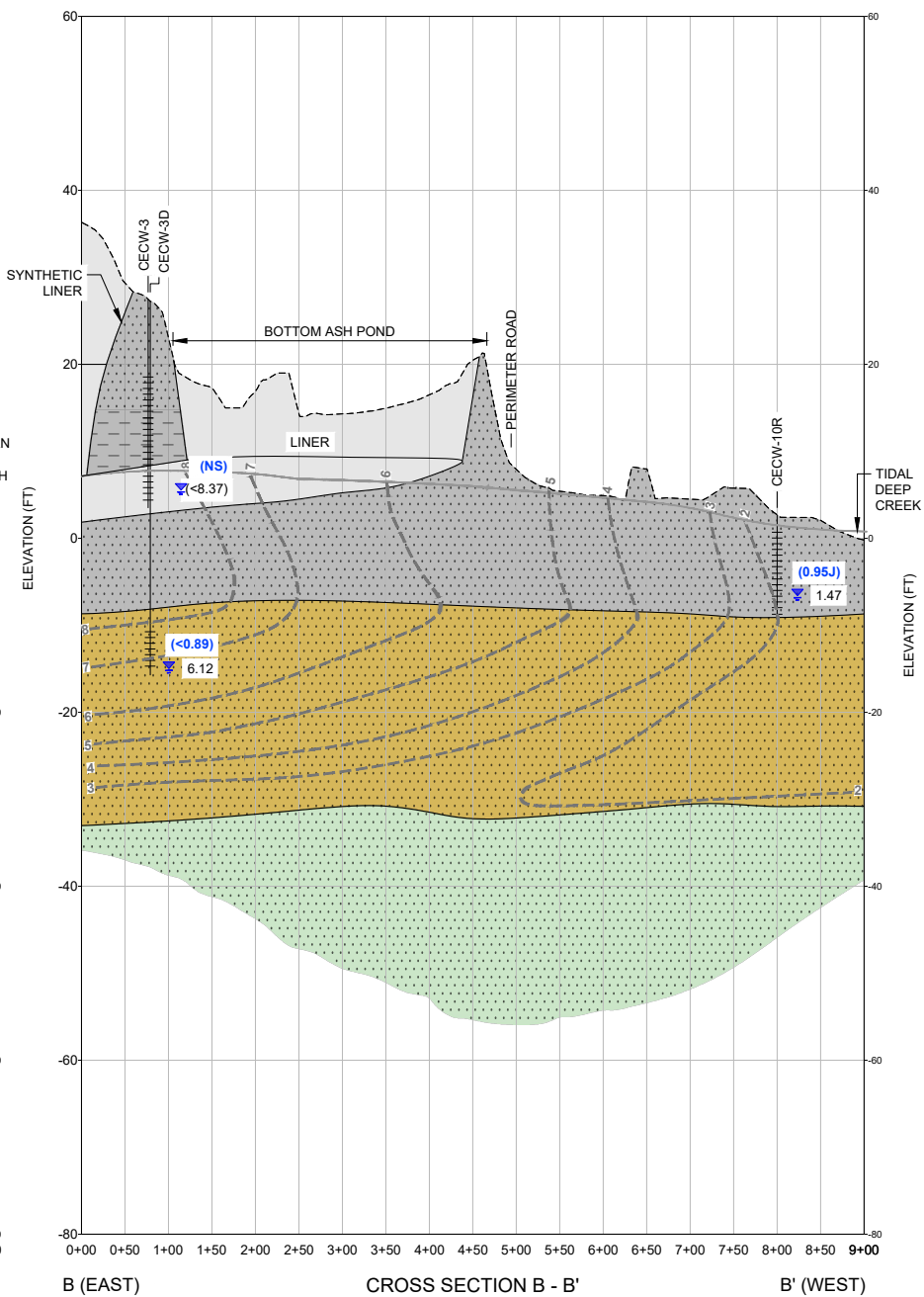
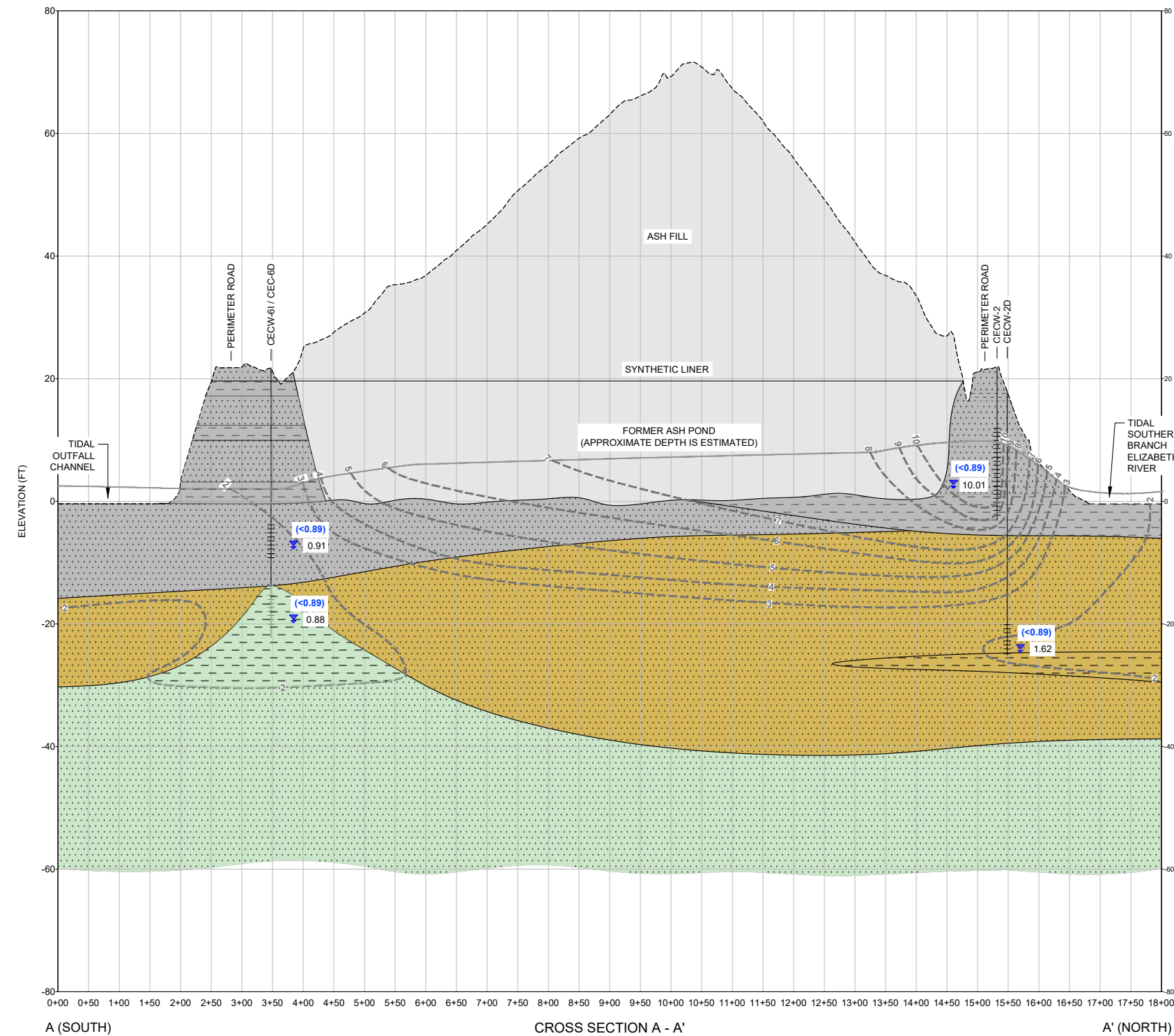
Sincerely,

A handwritten signature in blue ink that reads 'Lisa C. Messinger'.

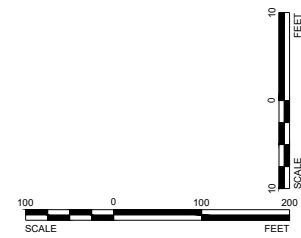
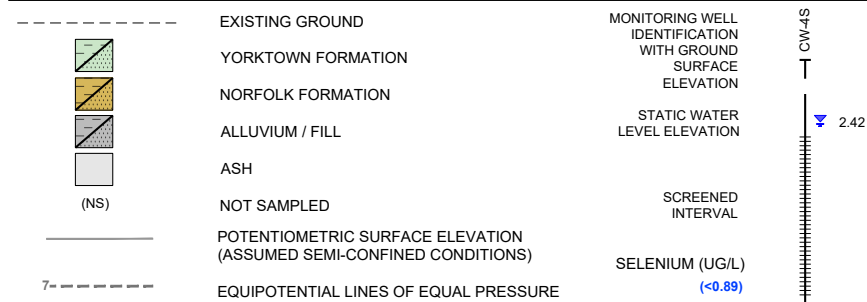
Lisa C. Messinger
Director, Environmental Services

Attachments

ecc Geoff Christe, VA DEQ – geoff.christe@deq.virginia.gov
TRO Land Protection Mailbox – TRO.LandProtection@deq.virginia.gov



LEGEND



PROJECT
CHESAPEAKE ENERGY CENTER
CHESAPEAKE, VIRGINIA
NATURE AND EXTENT STUDY ADDENDUM

TITLE
VERTICAL ISOCONCENTRATION
CROSS-SECTIONS SELENIUM

PROJECT NO.
20-13992921

20-139929Z I IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ARCH D 1 in

CLIENT
DOMINION ENERGY

CONSULTANT



GOLDER ASSOCIATES
2108 WEST LABURNUM AVENUE
SUITE 200
RICHMOND, VA 23227
(804) 358-7900
www.golder.com

[illegible]

