

**SEMIANNUAL CORRECTIVE MEASURES PROGRESS REPORT  
ASH BASIN 6 – Brunner Island, LLC  
(11/2019)**

Advanced GeoServices Corp. (AGC) has been retained by Brunner Island, LLC to provide an update regarding the Corrective Measure Activities associated with groundwater at Ash Basin 6, as described below.

## 1.0 BACKGROUND

Pursuant to 40 C.F.R. 257.97 (a) Brunner Island, LLC is providing an update on the progress of selecting an appropriate Corrective Measure(s) for groundwater beneath Ash Basin 6 at Brunner Island, LLC's Ash Basin 6 (Basin 6), located in East Manchester Township, York County, Pennsylvania. Basin 6 implemented an ongoing Assessment Monitoring Program to characterize groundwater conditions. Based on the statistical analysis conducted, exceedances of relevant Groundwater Protection Standards (GWPS) have been identified. An Assessment of Corrective Measures (ACM) was completed in June 2019 for Basin 6 to identify potential corrective measure alternatives to address the groundwater exceedances. This Semiannual Report provides an update on activities completed since the ACM was completed.

## 2.0 CORRECTIVE MEASURES IMPLEMENTATION RELATED ACTIVITIES

Since the ACM was submitted in June 2019, the following Corrective Measure related activities have taken place at Basin 6.

- The final receipt of waste to Basin 6 from Coal Combustion Residuals (CCR) and non-CCR waste streams occurred on May 31, 2019.
- Passive Dewatering of Basin 6 – The discharge structure at Basin 6 was modified to allow water to passively drain through the discharge structure. This modification allowed the water level of the basin to be lowered approximately 12 feet.
- Planned Active Dewatering of Ash Basin 6 – Planning is proceeding on potential additional measures to actively pump the remaining surface water out of the basin.
- Groundwater Characterization – Additional characterization of the groundwater beneath Ash Basin 6 continued as part of the August 2019 Assessment Monitoring sampling event.
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Public Meeting Planning – Planning activities are underway to facilitate a Public Meeting to discuss the results of the ACM and the status of Basin 6. It is expected that the public meeting would occur during the next semiannual reporting period.

### 3.0 Limitations

It is the Consultant's professional opinion that the aforementioned information is accurate as of the date of such signature. Any opinion or decisions by Consultant are made on the basis of Consultant's experience, qualifications and professional judgment and are not to be construed as warranties or guaranties. In addition, opinions relating to environmental, geologic, and geotechnical conditions and other estimates are based on available data, and actual conditions may vary from these encountered at the times and locations where data are obtained.

### 4.0 Certification

I, Christopher T. Reitman, being a Registered Professional Engineer, in accordance with the Pennsylvania Professional Engineer's Registration, do hereby certify to the best of my knowledge, information, and belief, that this report is true and correct and has been prepared in accordance with generally accepted good engineering practices.

Signature: 

Date: November 13, 2019