

# Design & Construction Certification – CCR Groundwater Monitoring and Corrective Action

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## Brickhaven No.2 Mine Tract “A” Structural Fill

This demonstration is based on HDR’s observations during construction, the following documents and referenced permits. This document provides a demonstration that the design and construction of the groundwater monitoring system for the Brickhaven No.2 Mine Tract “A” Structural Fill meet the requirements of 40 CFR part 257 for a new CCR landfill with respect to the groundwater monitoring system and statistical evaluation criteria.

- Brickhaven No.2 Mine Tract “A” Structural Fill Permit Application, approved June 5, 2015
- Permit 1910 StructFill PTC-PTO DIN23655, issued June 5, 2015
- Brickhaven No.2 Mine Tract “A” Mine Permit Application, approved June 5, 2015
- Permit 19-25 Mining Permit, issued June 5, 2015
- Brickhaven No.2 Mine Tract “A” Structural Fill CCR Compliance Supplement, dated July 2015 – includes the Groundwater Monitoring Documentation and Groundwater Monitoring Plan
- Permit 1910 Technical Specification Updates DIN24794, approved July 27, 2015
- Permit 1910 GW and Basegrade Updates approved DIN24779, approved July 27, 2015
- NCDENR 401 Permit No.4026, issued July 31, 2105
- Permit 19-25 Rail Spur Modification, Brickhaven, approved September 1, 2015
- USACE 404 Permit No.SAW-2014-02254, issued September 3, 2015
- NCDEQ Pump and Haul Permit, Brickhaven, approved September 22, 2015
- Construction Certification Report for Brickhaven No.2 Mine Tract “A” Structural Fill – Cell 1, Subcell 1A, revised October 6, 2015
- Permit 1910 Brickhaven Water Quality Monitoring Plan, updated October 2015
- Permit 1910, Brickhaven Operations Plan, revised October 2015

This documents and certifies the following:

- The groundwater monitoring system meets the requirements of 40 CFR 257.91
- The selected statistical method for evaluation groundwater monitoring data meets the requirements 40 CFR 257.93

I have prepared or supervised the preparation of the referenced documentation; it has been prepared in general accordance with industry standards and practices; and the information contained herein is truthful and accurate to the best of my knowledge.

I certify that the demonstration meets the requirements of the groundwater monitoring systems criteria section of 40 CFR part 257 as it relates to the groundwater monitoring system and the selected statistical method for evaluation of groundwater monitoring data.

Exceptions:

1. The EPA-CCR monitor well network has not been installed. Therefore, the groundwater monitoring system does not meet the CCR requirement to be able to accurately represent the quality of groundwater passing the waste boundary.
2. Notification of this certification is not being sent to the relevant State Director at this time.
3. This certification has not been posted to an operator-maintained publicly accessible internet site.



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