

KPRG

ENVIRONMENTAL CONSULTATION & REMEDIATION

KPRG and Associates, Inc.

EROSION REPAIR DOCUMENTATION

September 22, 2011

Mr. James DiCola
Midwest Generation, LLC
1800 Channahon Road
Joliet, IL 60436

VIA E-MAIL and U.S. MAIL

KPRG Project No. 15209.4

Re: Joliet #29 Former Ash Burial Area Erosion Repair Documentation 2011

Dear Mr. DiCola:

KPRG and Associates, Inc. (KPRG) completed a walk-over inspection of the former ash burial area on the northeast side of the Joliet #29 property, both inside and outside the fenced boundary of the facility. The inspection was performed on August 27, 2011. The purpose of the inspection was to identify any erosional features that may expose the underlying buried ash/slag and channel runoff toward the Des Plaines River which is immediately south of this area. It is our understanding that the ash burial area is included within the storm water/discharge permit for the facility and this inspection is part of permit compliance requirements.

During the inspection, KPRG identified two areas where either sheet wash erosion or rilling had exposed, or may expose, the underlying ash/slag and resulting in potential transport of material to the Des Plaines River. These are identified as Areas 1 and 2 below. The cover repair work was performed on September 21, 2011. Allied Landscaping was contracted by KPRG to perform the work under the direction of a KPRG scientist/engineer. For each of the areas, the following repair work was performed:

- Area 1 – Located at coordinates N41° 29.890'/W88° 06.957'. This was an area of some sheet runoff and rill development resulting in side bank cover erosion with potential ash exposure. The rill was curved with one side incised into the bank. It was approximately 30 feet long, 3 to 5 feet wide and 1.5 feet deep.

The repair consisted of filling in the rill with clayey top soil which was seeded with a mix of all purpose seed and annual rye. This was then covered with a wood

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fiber erosion blanket. A straw log and 3-inch stone were placed along the top of the bank to reduce the runoff flow energy prior to flowing down the side of the bank.

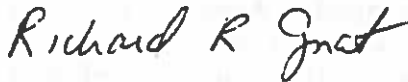
- Area 2 – Located at N41° 29.899'/W88° 06.937'. This was an area of rill development prior to the runoff flowing down the channel bank. The rill was approximately 60 feet long, 2 to 3 feet wide and up to 1.5 feet deep. There was a slight forking in the rill toward the south end.

The repair consisted of filling in the rill with clayey top soil which was seeded with a mix of all purpose seed and annual rye. This was then covered with a wood fiber erosion blanket. A straw log and 3-inch stone were placed along the top of the subject area to help reduce sheet runoff erosional effects.

Photographs documenting the repair work are provided in Attachment 1.

KPRG appreciates the continued opportunity for providing our technical services to Midwest Generation. If there are any questions, please contact me at 262-781-0475.

Sincerely,
KPRG and Associates, Inc.



Richard R. Gnat, P.G.
Principal



ATTACHMENT 1
Photodocumentation

Photo documentation – Joliet #29 Cover Repairs 2011



1. Area 1 prior to repair work.



3. Area 1 placement of erosion blanket.



2. Area 1 rill filled in with clayey topsoil.



4. Area 1 with straw log and 3-inch stone to impede channeling runoff.

Photo documentation – Joliet #29 Cover Repairs 2011



5. Area 2 prior to repair work.



7. Area 2 placement of erosion blanket.



6. Area 2 fill with clayey topsoil.



8. Area 2 with straw log and 3-inch stone to impede channeling of runoff.

