

August 8, 2014

Mr. Ed Mussler III, P.E.

Branch Head

NCDENR Division of Waste Management Solid Waste Section

1646 Mail Service Center

Raleigh, North Carolina 27699-1646

**RE: Extension of Demonstration of Liquids Evaporation System
Red Rock Disposal, LLC
Permit No. 9228-CDLF-2001
Holly Springs, North Carolina**

Dear Ed:

As you are aware, the Red Rock Construction and Demolition (C&D) facility located in Holly Springs has been performing an evaluation of a liquids evaporation system for the site. A six-month demonstration of the system was approved¹ on January 22, 2014 and the system began operation on February 10th, 2014. Initially, the demonstration consisted of liquids recovery from one sump, and evaporation through two Typhoon – Fixed Mantis evaporative spray heads located on top of the landfill. The demonstration was approved with the option to expand the number of sumps and spray heads as the demonstration continued.

During your site visit to observe the system on June 5th, four (4) sumps and five (5) Typhoon spray heads were operational. For most of July, the system was down due to the installation of five (5) additional spray heads (bringing the total number of spray heads to 10). The modified system restarted operation in early August.

As we discussed on August 4th, the initial six-month demonstration period will expire August 10th. At this time we request to extend the demonstration period to perform the following:

- Evaluate system performance with 10 spray heads; and
- Evaluate both evaporative and agronomic application/uptake rates to maximize system performance.

Since pumping and evaporation will be significantly reduced during the winter months, we request a 10-month extension of the demonstration. This will allow further evaluation during a variety of temperature and wind conditions.

For the continuation of this demonstration, evaporation events will be performed only on days with no rainfall and will be recorded on the Evaporation Monthly Reporting Form as originally approved. Activities will continue to be monitored by on-site personnel to optimize evaporation.

¹ NCDENR Letter to Mr. Don Plessinger of Waste Industries USA, Inc., January 22, 2014.

Mr. Ed Mussler III, P.E.

August 8, 2014

Page 2 of 2

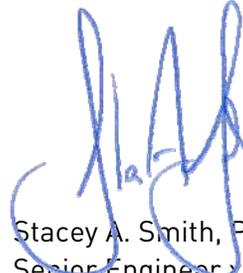
If you have any questions or require additional information, please contact us at (919) 828-0577 or by email below.

Sincerely,

SMITH GARDNER, INC.



Joan A. Smyth, P.G.
Senior Hydrogeologist x 221
joan@smithgardnerinc.com



Stacey A. Smith, P.E.
Senior Engineer x 127
stacey@smithardnerinc.com

cc: Ms. Elizabeth Werner, NCDENR
Don Plessinger, Waste Industries USA, Inc.
David Pepper, Waste Industries USA, Inc.
Shawn McKee, NCDENR
Pat Backus, P.E., NCDENR
File