

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

January 5, 2006

RECEIVED  
CLERK'S OFFICE

JAN 10 2006

STATE OF ILLINOIS  
Pollution Control Board

Salt Creek Sanitary District )  
 )  
 )  
Petitioner, )  
 )  
v. )  
 )  
ILLINOIS ENVIRONMENTAL )  
PROTECTION AGENCY, )  
 )  
Respondent. )

IEPA - 06-06  
(Provisional Variance-Water)

Re: Amendment to Provisional Variance Granted December 21, 2005 to the  
Salt Creek Sanitary District

Dear Mr. Halm:

On December 21, 2005, the Illinois Environmental Protection Agency (Agency) granted the Salt Creek Sanitary District (District) a provisional variance from limits on Monthly Averages and Daily Maximums for Total Suspended Solids (TSS) and CBOD<sub>5</sub> of NPDES Permit IL0030953. The District had requested the provisional variance in order to complete the tertiary building modifications, which necessitates taking the tertiary filters out of service. This is the final step in the project to improve the facility's treatment capabilities with respect to nitrification.

The District submitted its request for a provisional variance on December 1, 2005, and amended its request by fax on December 21, 2005 (Attachment A).<sup>1</sup> In the amended request, the District asked that the provisional variance start on December 21, 2005, and also sought relief from the daily maximum permit limit for Ammonia Nitrogen in NPDES Permit IL0030953. The Agency inadvertently omitted to address the parameter for Ammonia Nitrogen in Provisional Variance IEPA-06-10, which granted relief from the permit limitations for TSS and relating to CBOD<sub>5</sub>.

By this letter, the Agency amends Provisional Variance IEPA-06-10 to include relief from the daily maximum limit for Ammonia Nitrogen, subject to certain conditions.

<sup>1</sup> The Agency date stamped this fax December 22, 2006.

### *Agency Determinations*

The Agency has reviewed the requested provisional variance from the permit limits for Ammonia Nitrogen and has concluded the following:

1. The environmental impact from the requested relief is predicted to be minimal;
2. No other reasonable alternatives appear available;
3. No public water supplies will be affected;
4. No federal regulations will preclude the granting of this request; and
5. The District will face an arbitrary and unreasonable hardship if the request is not granted.

### *Special Conditions*

In this Addendum, the Agency amends Provisional Variance IEPA-06-10 to include relief from the daily maximum permit limit for Ammonia Nitrogen in NPDES Permit IL0030953, subject to the following conditions:

- A. The District can exceed the daily maximum limit of 8.0 mg/l for Ammonia Nitrogen between December 21, 2005, and up to and including February 4, 2006.
- B. The District shall operate its system to produce the best effluent possible, and at no time shall the District exceed a daily maximum limit of 15.0 mg/l for Ammonia Nitrogen.

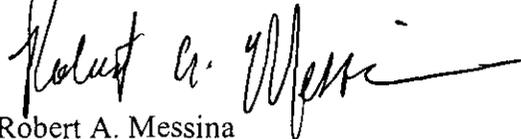
The District shall continue to monitor and maintain compliance with all other parameters and conditions specified in its NPDES Permit No. IL0030953 and Provisional Variance IEPA-06-10.

### *Conclusion*

The Agency amends Provisional Variance IEPA-06-10 to include relief from the daily maximum permit limits for Ammonia Nitrogen contained in NPDES Permit

IL0030953. The decision to amend the provisional variance is not intended to address compliance with any other applicable laws or regulations.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert A. Messina", with a long horizontal flourish extending to the right.

Robert A. Messina  
Chief Legal Counsel

c: Marcia Willhite  
Roger Callaway  
Vera Herst

**WALTER E. DEUCHLER ASSOCIATES INC.***Consulting Engineers*

230 WOODLAWN AVENUE • TELEPHONE (630) 897-4651 • FAX (630) 897-5696

AURORA, ILLINOIS 60506

December 21, 2005

Mr. Roger Calloway  
Illinois Environmental Protection Agency  
Bureau of Water  
1021 N. Grand Ave. East  
Springfield, IL 62794-9276

**RECEIVED**  
DEC 22 2005Environmental Protection Agency  
STATE OF ILLINOIS

VIA FACSIMILE

**RE: Salt Creek Sanitary District Plant Improvements  
Request for Provisional Variance-R2  
IEPA Loan #L17 21780**

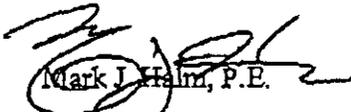
Dear Roger:

Walter E. Deuchler Associates, Inc. on behalf of the Salt Creek Sanitary District (SCSD) is requesting the provisional variance requested in our December 1, 2005 letter to begin on Wednesday December 21, 2005 rather than December 27, 2005.

As you discussed today with Mr. Fred Dale, Manager of SCSD, the SCSD is also requesting a provisional variance from NPDES permit IL0030953: Ammonia Nitrogen as (N), monthly average 2.5 mg/l, weekly average 6.3 mg/l and daily maximum of 8.0 mg/l. We anticipate during the provisional variance period to have daily maximum Ammonia Nitrogen as (N) discharges of 15.0 mg/l.

Very truly yours,

WALTER E. DEUCHLER ASSOCIATES, INC.

  
Mark J. Halm, P.E.

cc: Mr. Fred Dale, Manager SCSD

- Water Works and Sewerage
- Streets and Street Lighting

- Buildings and Structures
- Investigations and Reports

- Design and Construction
- Project Financing