

FEB 1 4 2005

ILLINOIS ENVIRONMENTAL PROTECTION AGEN STATE OF ILLINOIS BOARD

February 10, 2006

City of Morrison)	
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)	
)	
Petitioner,)	
)	7777 A O.C. 267
v.)	IEPA- 06- 08
)	(Provisional Variance-Water)
ILLINOIS ENVIRONMENTAL)	
PROCTECTION AGENCY,)	
)	
Respondent.)	

Re: Provisional Variance From Limits on Daily Maximum For Ammonia Nitrogen of NPDES IL 0027006

Dear Mr. Osborn:

The Illinois Environmental Protection Agency (Agency) has completed review of the attached provisional variance requests submitted by the City of Morrison (City) on February 3, 2006 and February 8, 2006. The City is in the process of making necessary repairs to its wastewater treatment plant to correct a mechanical failure on one its trickling filters.

Background

The City of Morrison owns and operates a wastewater treatment facility located at 101 Andy Brands Drive in Morrison, Illinois. This treatment facility consists of a trickling filter plant designed to treat an average design flow of 0.941 million gallons per day (MGD) and with a 2.586 MGD design maximum flow. Treatment consists of screening, shredding, grit removal, influent flow measurement, primary settling, trickling filters, secondary settling, disinfection, dechlorination, effluent flow measurement, anaerobic digestion, and aerobic digestion. The facility discharges into Rock Creek. The 7Q10 of Rock Creek is approximately 14.0 cubic feet per second.

One of the two trickling filters at the wastewater treatment facility currently is in disrepair to a point that it can no longer rotate. The trickling filter must be taken out of service and the rotary distributor must be disassembled to replace all worn parts. The City estimates it will take approximately two to three weeks for the repairs. The City is requesting a provisional variance for 45 days to allow the nitrifying bacteria the necessary time for regrowth.

Relief Requested

The City requests a variance from the ammonia nitrogen limitations contained in NPDES permit IL 0027006 (Attachment B). This permit requires the City to meet the following for ammonia nitrogen:

Month	Monthly Avg. (mg/l)	Daily Max. (mg/l)
Apr-Oct.	4.2	5.7
Nov-March	6.9	8.6

During the period of the requested provisional variance the City will not exceed 18 mg/l ammonia nitrogen as a daily maximum.

Agency Determinations

The Agency has reviewed the requested provisional variance and has concluded the following:

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

The Agency hereby GRANTS the City of Morrison a provisional variance from the ammonia nitrogen limits of NPDES IL 0027006, subject to the following conditions:

- A. The provisional variance shall begin the day the trickling filter is taken out of service for repairs and shall continue for a maximum of 45 days.
- B. The City shall operate its wastewater treatment system to produce the best effluent possible, and at no time shall the City exceed a daily maximum of 18 mg/l for ammonia nitrogen.

- C. Immediate notification to the Agency shall be required if the 18 mg/l ammonia nitrogen limit is exceeded and measures will be immediately taken to provide supplemental treatment.
- D. The City shall notify Roger Callaway of the Agency by telephone at 217/782-9720 when the trickling filter is taken out of service for repairs and again when the trickling filter is returned back to service. Written confirmation of each notice shall be sent within five days to the following address:

Illinois Environmental Protection Agency Bureau of Water – Water Pollution Control Attention: Roger Callaway 1021 North Grand Avenue East, MC #19 Springfield, Illinois 62794-9276

E. The City shall sign a Certificate of Acceptance of this provisional variance and forward that certificate to Roger Callaway at the address indicated above within one day of the date of this order. The certificate should take the following form:

I (We) terms and condition or date	the provisio	y accept and nal variance	agree to b granted by	e bound by the Agency	[,] all y in
Petitioner	_				
Authorized Agent	_				
Title	_				
Date	_				

The City shall continue to monitor and maintain compliance with all other parameters and conditions specified in its NPDES Permit No. IL0027006.

Conclusion

The Agency grants this provisional variance in accordance with its authority contained in Sections 35(b), 36(c), and 37(b) of the Environmental Protection Act (415 ILCS 5/35(b), 36(c), and 37(b) (2004). The decision to grant this provisional variance is not intended to address compliance with any other applicable laws or regulations.

Sincerely,

Robert A. Messina Chief Legal Counsel

cc: Marcia Willhite Roger Callaway Tom Andryk Vera Herst