

NIAGARA MOHAWK POWER CORPORATION

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NIAGARA  MOHAWK300 ERIE BOULEVARD, WEST
SYRACUSE, N. Y. 13202

January 18, 1984

Dr. Thomas E. Murley
Regional Administrator
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley,

Correspondence dated March 11, 1983, from the Commission concerning Amendment 51 to Facility Operating License No. DPR-63 (Docket No. 50-220) for the Nine Mile Point Nuclear Station Unit 1, requested that the Commission be kept informed about any changes in the Station's NPDES/SPDES Discharge Permit (No. NY-000-1015) and any permit violations.

In accordance with these requirements, attached are copies of violations of the Station's NPDES/SPDES Discharge Permit for the period of July-December 1983. Violations dated July and August concerned the site's sewage treatment plant and were a result of natural algal growth in the final treatment process (oxidation pond). The New York State Department of Environmental Conservation (NYSDEC) ruled that under the circumstances (i.e., natural algal growth), no enforcement action was required. Partly as a result of NYSDEC recommendations, Niagara Mohawk eliminated the final treatment process which eliminated the interference from the natural algal growth for accurate monitoring.

The violation dated September 1983 was a result of a minor non-contaminated acid spill. Because the acid was a normal component of discharge effluents and the quantity involved was small and was significantly diluted prior to addition to the final discharge outfall, the NYSDEC ruled that no enforcement action would be taken.

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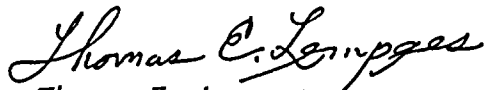
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Niagara Mohawk will fulfill the requirement to keep the Commission informed of any changes in the NPDES/SPDES Discharge Permit or of any permit violations. Such information will be supplied to the Commission on a semi-annual basis.

In the event there are any questions concerning the permit violations, or reporting schedule, please contact Mr. Hugh Flanagan at (315) 349-2428.

Sincerely,



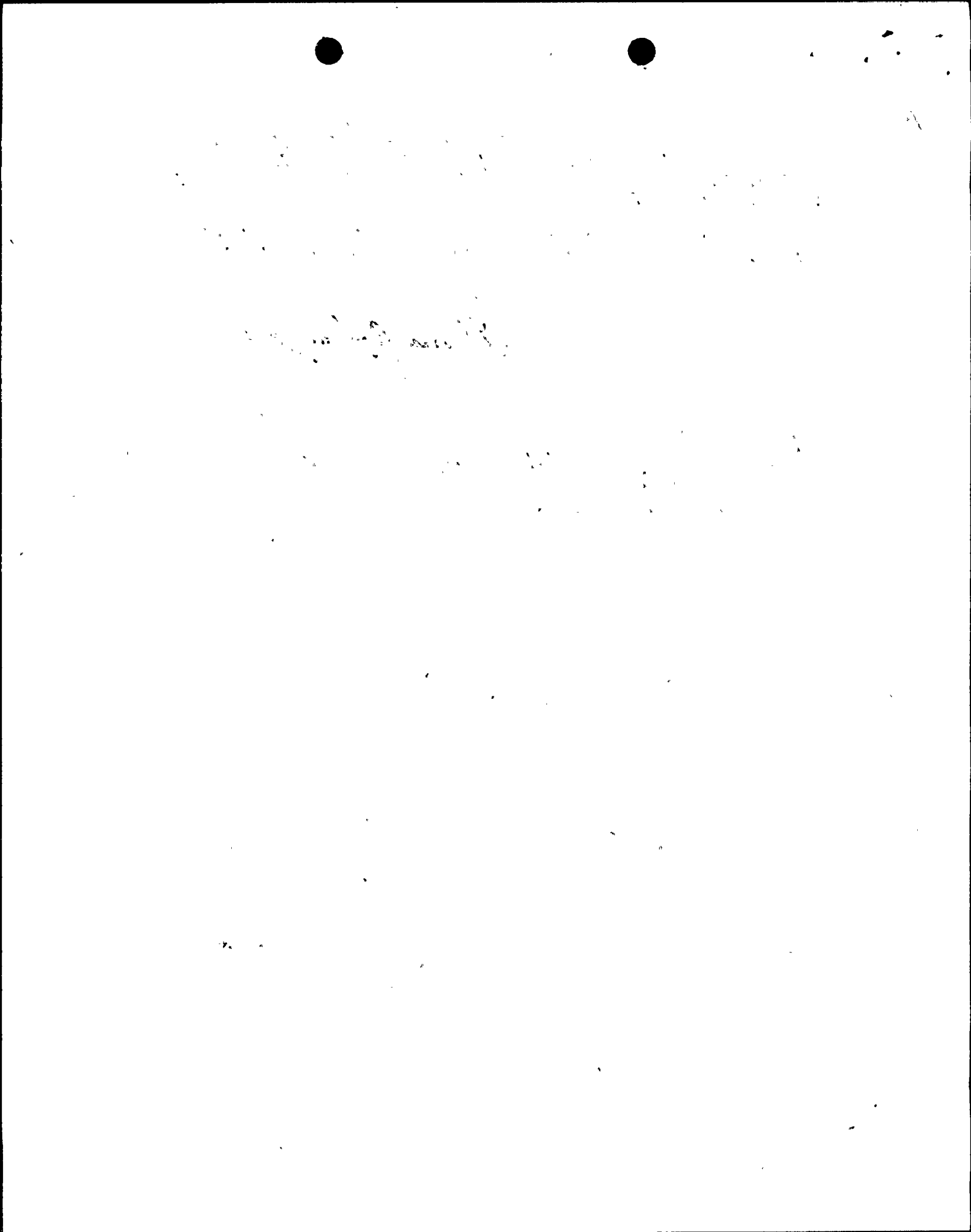
Thomas E. Lempges
Vice President
Nuclear Generation

TEL/HJF/jm

cc: Director, Office of NRR (w/enclosure: July TSS, July BOD, August TSS, September Acid)

TJ Perkins (w/o enclosure)
TW Roman "
EW Leach "
HJ Flanagan "

Enclosures



SPDES MONTHLY REPORT

Summary of Excursions

Station Nine Mile Point Unit #1 Month July Year 1983

Type of Discharge Sewage Treatment Plant

Discharge Serial Number 030

Parameter BOD

Permit Limit 25 mg/liter (avg.) Reported Value 30.62 mg/liter (avg.)

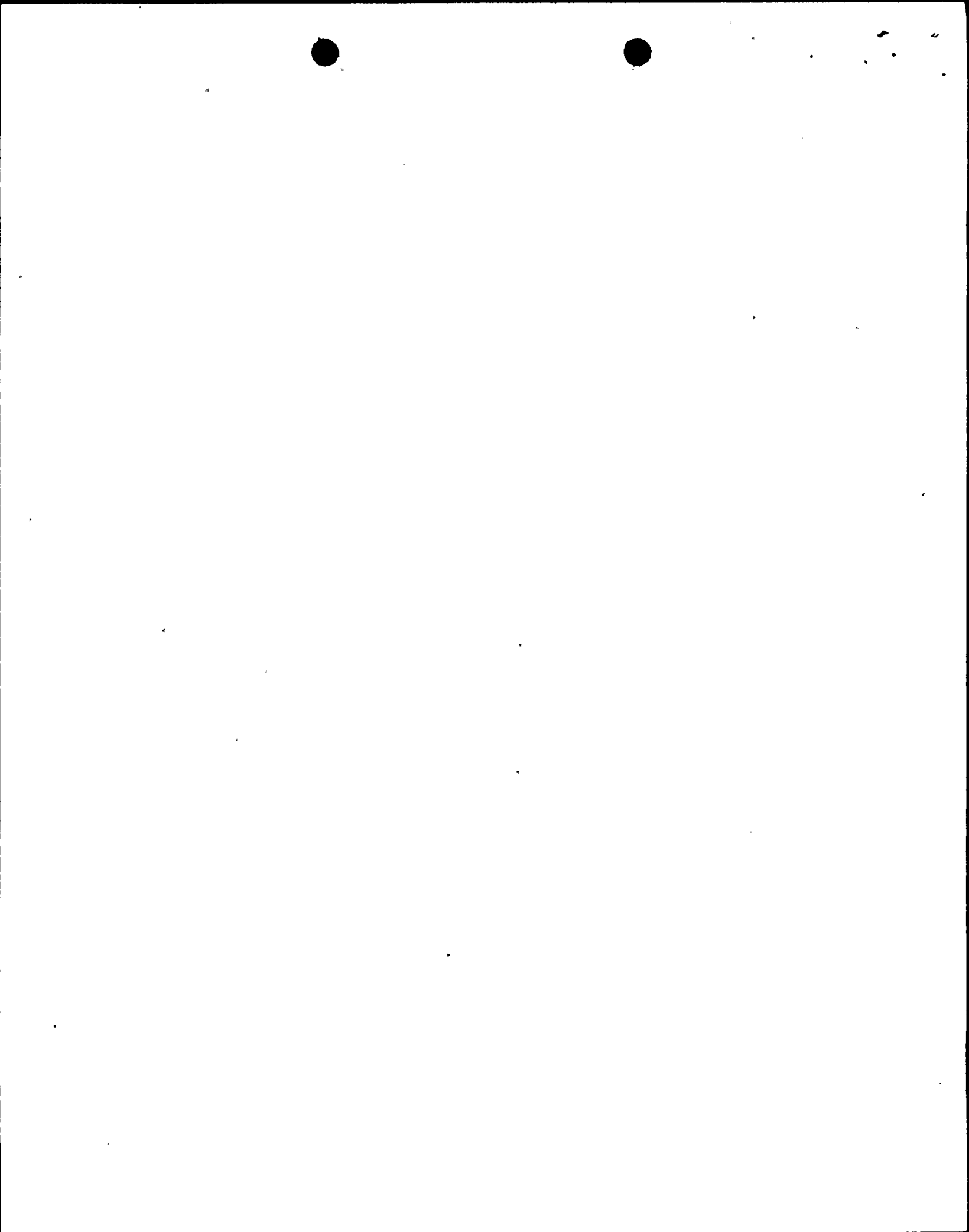
A. Cause of non-compliance: BOD samples taken at the outfall of the sewage treatment plant (oxidation pond discharge) showed results with a monthly average greater than the permit limit of 25 mg/liter. Results for July were 39.53 and 21.70 mg/liter.

B. A description of the non-complying discharge including its impact upon the receiving water: BOD samples taken at the discharge of the oxidation pond showed a monthly maximum of 39.53 mg/liter (within permit limit) and a monthly average of 30.62 mg/liter (above permit limit). Elevated BOD results are a result of significant algal growth in the oxidation pond. No significant impact on the receiving water (Lake Ontario) from the natural algal growth.

C. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance: Condition of non-compliance will probably continue as long as there is algal growth in the oxidation pond. DEC approved by-pass of the oxidation pond will be installed this summer which will eliminate the algal problem and the elevated BOD results.

D. Steps taken by the permittee to reduce and eliminate the non-complying discharge: NYSDEC (Kathleen DelPrete) was notified of the problem (monthly average BOD result exceeding the permit limit) as soon as results were available. The DEC indicated that they were aware of the natural algal growth and its effect on the BOD results. The DEC also indicated that no action was required on the part of the permittee, and no action would be taken by the DEC.

E. Steps taken by the permittee to prevent recurrence of the condition of non-compliance: See D above.



SPDES MONTHLY REPORT

Summary of Excursions

Station Nine Mile Point Unit #1 Month July Year 1983

Type of Discharge Sewage Treatment Plant

Discharge Serial Number 030

Parameter Suspended Solids

	<u>25 mg/liter (avg.)</u>		<u>48 mg/liter (avg.)</u>
Permit Limit	<u>45 mg/liter (max.)</u>	Reported Value	<u>56 mg/liter (max.)</u>

A. Cause of non-compliance: Suspended solid levels of outfall from sewage treatment plant (oxidation pond discharge) showed results that exceeded the station's SPDES Permit limit. Results were 48, 42, 56 and 46 mg/liter. Optional sample taken on 7/27/83 of the sewage plant effluent prior to the oxidation pond showed a suspended solid result of 8.0 mg/liter. Elevated suspended solids results at oxidation pond are a result of algal growth.

B. A description of the non-complying discharge including its impact upon the receiving water: Suspended solid samples taken at discharge of oxidation pond showed 48 mg/liter (monthly average) and 56 mg/liter (monthly maximum). High suspended solid levels are a result of significant algal growth in the oxidation pond. No significant impact on the receiving water (Lake Ontario) from the natural algal growth.

C. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance: Condition of non-compliance is expected to continue through the summer months. DEC approved by-pass (by-pass of oxidation pond) will be installed this summer which will eliminate the algal problem.

D. Steps taken by the permittee to reduce and eliminate the non-complying discharge: NYSDEC (Kathleen DelPrete) was notified of the problem (high suspended solid levels as a result of the algal growth) as soon as the results were available. DEC indicated that they were aware of the natural algal growth, and no action will be taken on the part of the DEC at this time.

E. Steps taken by the permittee to prevent recurrence of the condition of non-compliance: See D above.



SPDES MONTHLY REPORT

Summary of Excursions

Station Nine Mile Point Unit I Month August Year 1983

Type of Discharge Sewage Treatment Plant

Discharge Serial Number 030

Parameter Suspended Solids

Permit Limit 45 mg/liter (max.) Reported Value 76 mg/liter (max.)
25 mg/liter (avg.) 57 mg/liter (avg.)

A. Cause of non-compliance: Suspended solid levels of outfall from sewage treatment plant (oxidation pond discharge) showed results that exceeded the station's SPDES Permit limit. Results were 64, 76 and 30 mg/liter. Optional samples (taken concurrently) of the sewage treatment plant effluent prior to the oxidation pond showed results of 14 mg/liter (monthly average) and 23 mg/liter (daily maximum). Elevated suspended solid results at the oxidation pond are a result of natural algal growth.

B. A description of the non-complying discharge including its impact upon the receiving water: Suspended solid samples taken at the discharge of the oxidation pond showed 57 mg/liter (monthly average) and 76 mg/liter (daily maximum). High suspended solid levels are a result of significant algal growth in the oxidation pond. No significant impact on the receiving water (Lake Ontario) from the natural algal growth.

C. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance: Condition of non-compliance is expected to continue through the summer months. DEC approved bypass (bypass of the oxidation pond only) will be installed this summer, which will eliminate the algal problem.

D. Steps taken by the permittee to reduce and eliminate the non-complying discharge: NYSDEC (Kathleen DelPrete) was notified of the problem (high suspended solid levels as a result of the algal growth) as soon as the results were available. The DEC indicated that they were aware of the natural algal growth and no action would be taken on the part of the DEC at this time.

E. Steps taken by the permittee to prevent recurrence of the condition of non-compliance: See D above.

SPDES MONTHLY REPORT

Summary of Excursions

Station Nine Mile Point Unit 1 Month September Year 1983

Type of Discharge Low Volume Wastewater

Discharge Serial Number 011

Parameter pH

Permit Limit range of 6.0-9.0 Reported Value >1.6, <6.0

A. Cause of non-compliance: The floor drain collection tank (MUD tank) for the station's acid tank developed a small leak which caused less than one (1) gallon of sulfuric acid and a small quantity of domestic water to enter one of the station's floor sumps (where it was diluted with normal lake intake pump leakage) from which the acidic water entered the station's discharge canal. Floor drain collection tank leak rate of 0.5 gpm was diluted with 277,300 gpm discharge canal flowrate prior to entering Lake Ontario.

B. A description of the non-complying discharge including its impact upon the receiving water: Less than 60 gallons of pH 1.6 water (0.5 gpm x a maximum of 2 hrs. leakage) leaked from the collection tank. Wastewater from the floor sump (acidic water plus intake pump leakage water) was discharge from outfall 011 at a pH of greater than 1.6 but less than 6.0. No impact on receiving water (Lake Ontario) because of the dilution of the sump wastewater with the discharge canal flow of 277,300 gpm.

C. Anticipated time the condition of non-compliance is expected to continue, or if such condition has been corrected, the duration of the period of non-compliance: Condition of non-compliance lasted for only 2 hours (maximum).

D. Steps taken by the permittee to reduce and eliminate the non-complying discharge: Immediate actions were taken to terminate the leak from the collection tank once the leakage was discovered.

E. Steps taken by the permittee to prevent recurrence of the condition of non-compliance: The floor drain collection tank (MUD tank) is presently being cleaned out and repaired. The floor drains to the collection tank are closed during repair (ie., floor drain pipe valves are closed) to prevent any leakage from entering Lake Ontario via the collection tank and the sump.

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