



**Consumers
Power**

**POWERING
MICHIGAN'S PROGRESS**

General Offices: 212 West Michigan Avenue, Jackson, MI 49201 • (517) 788-0550

December 18, 1990

P10.2.1
M905

Mr Fred Morley
District Supervisor, SWQD
Michigan Department of Natural Resources
Plainwell District Office Building
621 Tenth Street
PO Box 355
Plainwell, MI 49080

INCIDENT NO: PAL-90-11-NCFD1

UFI NO: 950*72*40*05/3 Years

This is in regard to NPDES Permit No. MI0049131 for the Company's Palisades Plant (treated groundwater discharge to Lake Michigan). In accordance with Part II, A4, the attached "NPDES Notification", Incident No. PAL-90-11-NCFD1 is submitted as a report of an apparent difference from the daily maximum effluent limitations for this facility.

If you have any questions regarding the attached report, please contact me at (517) 788-0350.

J J D'Addona
Senior Engineer

CC THauck, Plainwell DNR

BCC KFBieszke, T-251
RLFobes, P12-107
JLKuemin, Palisades
JHager, Palisades
RLSchroder, M-1017

OC1290-0031A-EN01

A CMS ENERGY COMPANY

NPDES NOTIFICATION

Apparent Difference From Daily Maximum Monitoring Requirements

Plant: Palisades

Permit No.: MI 0049131

Outfall Description: Treated Groundwater Discharge
to Lake Michigan

Outfall No.: 001

Parameter: Trichloroethene (TCE)

Parameter Code No.:
Not Known

1. Date of Incident: November 18 and 20, 1990
2. Identification of Specific Effluent Limitation or Monitoring Requirement Affected:

Daily Maximum Limit of 10 ug/l TCE

3. Description of Incident:

During completion of an aquifer pump test, two of three TCE samples measured 16 ug/l and 20 ug/l at two hours and 60 hours into the pump test, respectively. The total flow volume for the 64 hour pump test was approximately 172,800 gal (45 gpm).

4. Apparent Cause:

The performance efficiency of the temporary air stripping tower was less than expected. This air stripping tower was only utilized for this one-time pump test.

5. If not immediately corrected, the anticipated time the condition is expected to continue:

The pump test was a one-time 64-hour test. Improvements in performance will be made in the air stripping tower to be designed specifically for the final clean up operation at the Palisades site.

6. Corrective Action - The following corrective action was taken or will be taken to reduce, eliminate and prevent recurrence:

Design of the air stripping tower to specifications specific to the Palisades fuel depot release site will improve the expected operational efficiencies necessary to meet the effluent limitations for TCE. This will be verified with frequent sampling of the effluent during startup operations.

7. Additional Comments:

The time delay associated with submittal of this maximum daily exceedance for TCE was peculiar to the pump test operation. The pump test was completed on a weekend and samples were submitted to a laboratory for analysis. The laboratory returned the results to our consultant on November 26. The consultant in turn did not transmit this information to Consumers Power Company until December 7 and it was not received by our office until



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Palisades Nuclear Plant: 27780 Blue Star Memorial Highway, Covert, MI 49043

AAC90*059

December 11, 1990

Mr. John Vollmer
Michigan Department of Natural Resources
621 Tenth Street
P.O. Box 355
Plainwell, MI 49080

Subject: Hydraulic Oil Spill

On Thursday, December 6, 1990 at 11:00 a.m., a spill of hydraulic oil caused by the rupture of an oil line on a boom crane occurred. The spill was at the Palisades Plant site near the main transformers. There was a loss of approximately 25 gallons of hydraulic oil. Immediate cleanup of the spill was initiated following the incident. The bulk of the oil was pumped into a storage drum. The sand that contacted the oil has been removed and will be disposed of properly. There was no contact with surface or ground waters.

If you have any questions or need additional information, please call me at (616) 764-8913 ext. 0464.

Anthony A. Calloway
Anthony A. Calloway
Environmental Coordinator

cc: RMRice, Palisades
DDHice, Palisades
PBLatvaitas, P12-305
WLRoberts, Palisades

OC1290-0180A-OP02

December 12, 1990. This submittal has been completed as expeditiously as possible to satisfy NPDES reporting requirements.

8. Signed:

John J D'Addona