



TO: BURKINGTON
FOR: R. R. Neugold
FROM: F. W. Kanzler
RE: MONTHLY ACTIVITY REPORT - ENVIRONMENTAL AFFAIRS
January, 1985

DATE: 2/5/85

COPY TO: R.S. Cole
J.W. Kachtick
C.J. Kotrla
R.D. Towe
C.F. Wunder
File

I. EPA-NJDEPA. WATER1. Wastewater Treatment Plant Performance

Data available for the first four weeks revealed compliance for all three outfall waters.

The Wastewater Treatment Plant performed well during the shutdown and after production was resumed.

We experienced three exceedances for outfall 001 during 1984 (two BOD averages and one BOD maximum). For the outfalls 02D and 02W, the old TOC parameter revealed seven excursions. A 1984 performance summary for all parameters monitored is attached.

2. Bioassay

The first quarterly 96-hour flow through bioassay, required under the new NJPDES-NPDES Permit, was conducted during the week of January 28, 1985. Preliminary reports from the laboratory indicate an LC₅₀ value for 62% of treatment plant water. This is well above the Permit requirement for LC₅₀ ≥50%.

3. Treatability Study (NH₃-N, TDS)

The treatability study, conducted by R.F. Weston, was started during the last week in January. The aim of the study is to see if nitrification can be accomplished in our activated sludge system. Two variations of the primary treatment for the wastewater are set up in parallel. It is estimated that the study will last five to six weeks.

The TDS levels in the treatment plant effluent waters ranged from 820 to 1330 mg/l with an average 1030 mg/l during January.

The $\text{NH}_3\text{-N}$ levels ranged from 12-62 mg/l with an average of 34 mg/l during the same period. The $\text{NH}_3\text{-N}$ levels toward the end and during the start-up period of the production shutdown were below 35 mg/l (12-31 mg/l).

4. Waiver of Treatment Works Approval

This waiver is in the process of preparation by R.F. Weston and is expected to be ready for submittal to NJDEP by the February 7, 1985 due date.

5. DRBC Water Diversion Project Approval

The hearing on our water diversion docket by DRBC was held on January 30, 1985. The docket was approved by the Commissioners. I attended the hearing.

6. Groundwater Monitoring

The groundwater monitoring wells were sampled on January 17 and 18, 1985 for the second quarter monitoring round.

B. AIR

1. NESHAP

a. Suspension and Dispersion Slurry

There were no excursions reported in the suspension slurries. Seven of the fifty-eight dispersion slurry samples revealed VCM levels greater than 2000 ppm. This resulted in an exceedance of the weekly average for the first production week in January.

b. Reactor and Tower Openings

No excursion reported.

c. Water Stripper

No excursions reported.

d. Incinerators

No excursions reported.

2. Fluidized Air Connections on Silo Transfer Lines

The Central Field Office, NJDEP-DEQ inquired on January 21, 1985 about the status of the Permit amendments for our silo transfer lines.

As the result of the Administrative Order, applications to amend the existing nine Permits were sent to NJDEP-DEQ Permit Section on October 10, 1984. We received the approved Permits on January 30, 1985.

C. SOLID

1. HW Shipment

The delayed pick-up of the eight drums of HW was accomplished on January 3, 1985. We received a letter from S&W Waste explaining the reason for the delayed pick-up. As previously reported, two of the eight drums had exceeded the 90-day holding period.

2. NUS Corporation Site Inspection and Sampling

The site inspection by NUS, under contract to EPA, was conducted January 7, 1985. On January 17, 1985 NUS sampled four of our groundwater monitoring wells. Samples were also taken from the supernatant water of the sludge lagoon in service and two soil samples from the landfill. Parallel samples were taken. J.W. Kachtick was present for the sampling.

3. Landfill Closure

a. NJDEP-DWM Meeting

J.W. Kachtick, Dana Boyadjian (Princeton Aqua Science) and I met with T. Disbrow, NJDEP on January 29, 1985. We requested this meeting as the result of the letter from W. Burshtin received January 15, 1985. The alleged deficiencies of the Closure Plan, the Closure and Post Closure Care Plan were discussed. We were told that we would receive a letter within one week of the meeting summarizing the requirements for closure from the Agency's point of view.

b. Off-Site Sludge Disposal

We are in the process to gain acceptance for the disposal of our dewatered sludge by the Grand Central Landfill near Allentown, Pennsylvania. Two

other out-of-state landfills indicated no interest in our sludge.

At our request, NJDEP-DWM provided us with a list of in-state secure landfills which would be eligible to take our sludge.

II. OSHA

A. VCM

1. Personal Monitoring

One of the thirty-four employees monitored for VCM exposure showed an 8-hour TWA above the PEL. This employee was reactor cleaning and showed 180 minutes mask time.

B. Right-to-Know

1. NJDOH Questionnaire

As the result of the Court ruling on the NJ-RTK Regulations, all activity to comply was cancelled.

III. MISCELLANEOUS

A. Meetings

I attended the CIC Executive Committee meeting on January 11, 1985.

B. PIRG

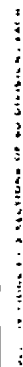
Provided information to Greenstone & Sokol as the result of the settlement request by PIRG.

Fred H. Kanzler

F.W. Kanzler

FWK/jst

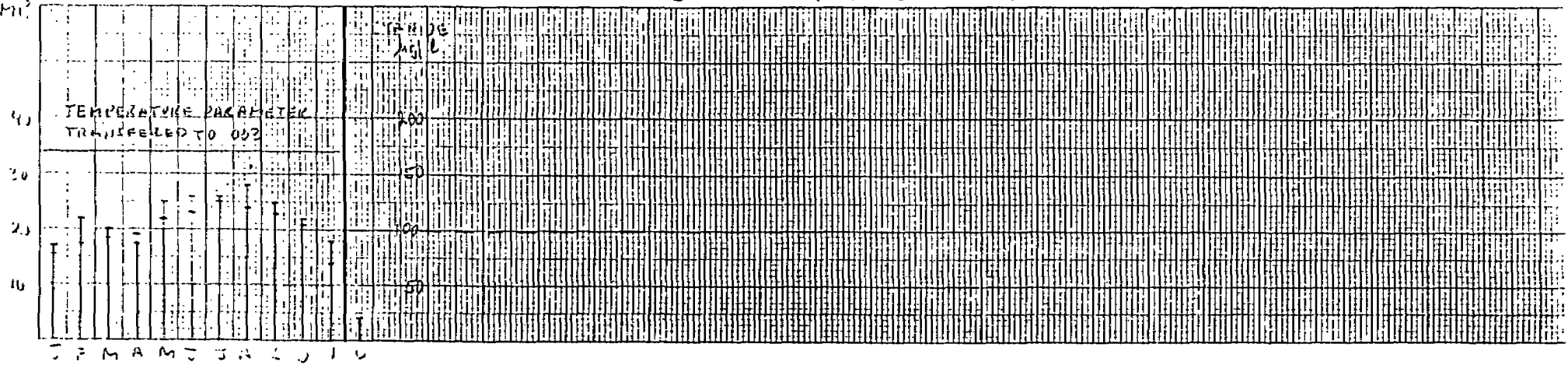
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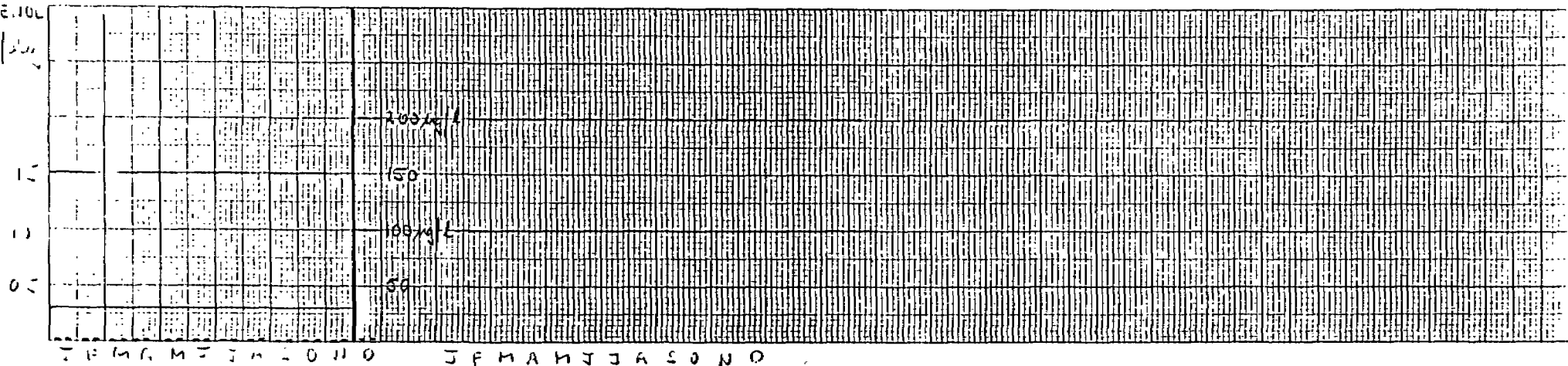
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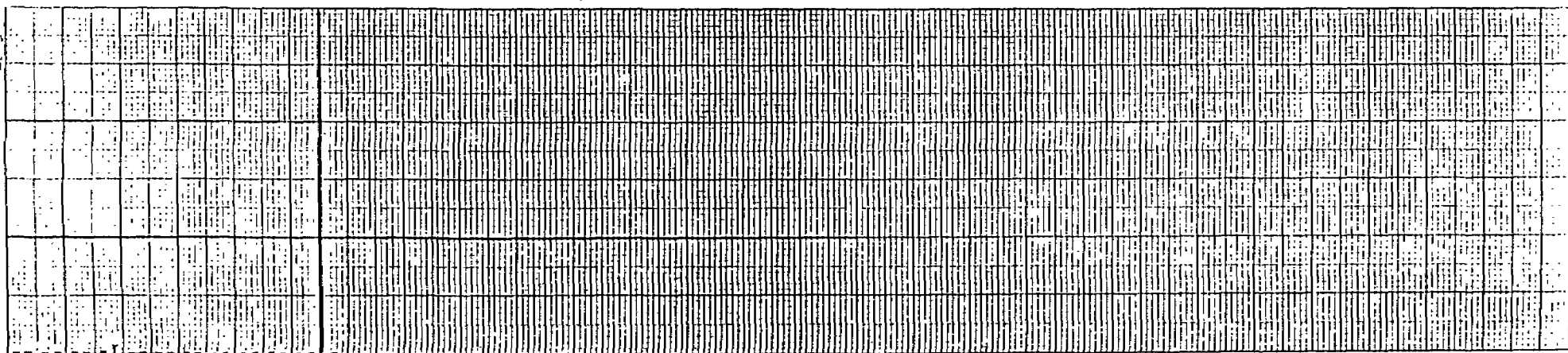


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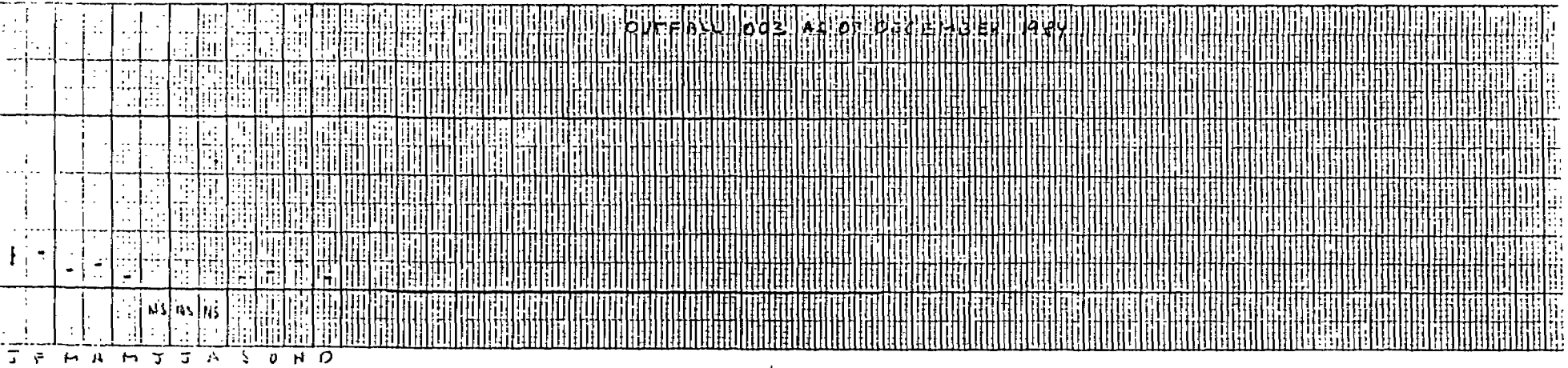
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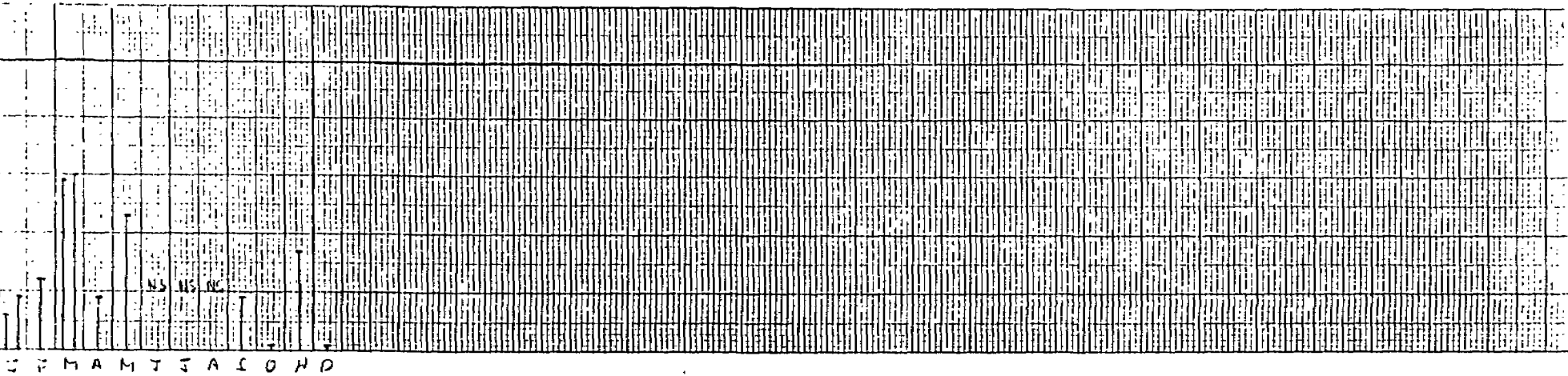
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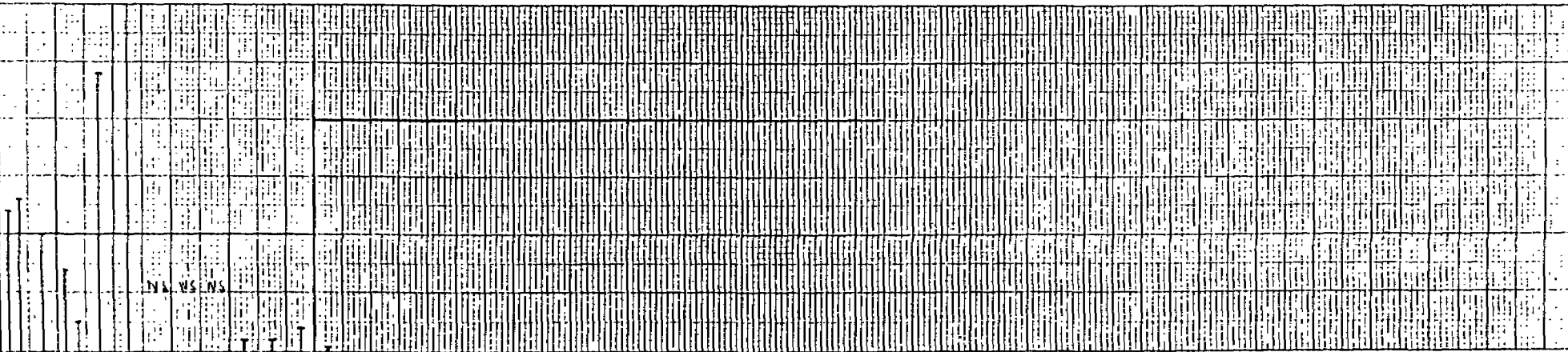
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