INDUSTRIAL PRETREATMENT
QUARTERLY SELF-MONITORING RESULTS

Perry Nuclear Power Plant
10 Center Rd.
Perry, Ohio 44081

Permit No.: 1004911
Report Date: 2/14/96
Laboratory: Electro Analytical

Date of Sample: 2/7/96 to 2/8/96
Sample Location: Sewage Pump Station

Time of sample: 1133
Name of Sampler: Al Mueller

Laboratory Address: 7118 Industrial Park Blvd.
Mentor, OH 44060

Date of Analysis: 2/7 to 2/13/96
Flow: 33,000 gpd

PARAMETER	SAMPLE TYPE	EPA METHOD	ANALYSIS DATE	ANALYSIS RESULT
COD	Composite	410.4	2/9/96	460 mg/L
BOD	Composite	405.1	2/13/96	150 mg/L
TSS	Composite	160.2	2/9/96	120 mg/L
Silver	Composite	200.7	2/12/96	<.010 mg/L
Mercury	Composite	245.1	2/12/96	<.50 ug/L
pH	Grab	150.1	2/7/96	9.0 s.u.
Oil/Grease Gravimetric	Grab	413.1	2/12/96	3.9 mg/L

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

for D.C Shelton 3/15/96 Sr. Vice President - Nuclear
Signature Date Title

INDUSTRIAL PRETREATMENT
QUARTERLY SELF-MONITORING RESULTS

Perry Nuclear Power Plant
10 Center Rd.
Perry, Ohio 44081

Permit No.: 1004911
Report Date: 2/8/96
Laboratory: Electro Analytical

Date of Sample: 1/22 to 1/23/96
Sample Location: Sewage Pump Station

Time of sample: 14:00
Name of Sampler: Michael Ward

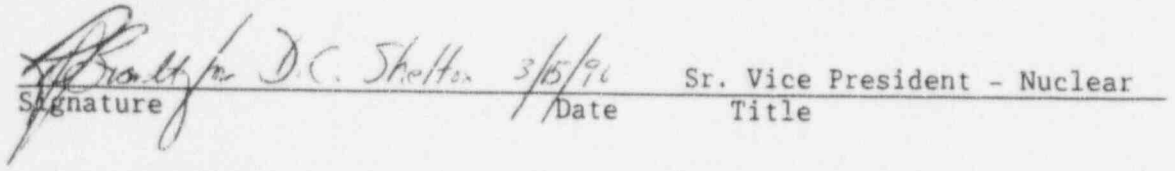
Laboratory Address: 7118 Industrial Park Blvd.
Mentor, OH 44060

Date of Analysis: 1/23 to 1/31/96
Flow: 33,000 gpd

Name of Analyst:

PARAMETER	SAMPLE TYPE	EPA METHOD	ANALYSIS DATE	ANALYSIS RESULT
COD	Composite	410.4	1/24/96	390 mg/L
BOD	Composite	405.1	1/29/96	140 mg/L
TSS	Composite	160.2	1/31/96	170 mg/L
Silver	Composite	200.7	1/24/96	<.010 mg/L
Mercury	Composite	245.1	1/25/96	<.50 ug/L
pH	Grab	150.1	1/23/96	8.6 s.u.
Oil/Grease Gravimetric	Grab	413.1	1/29/96	16 mg/L

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.



Signature / Date / Title

Sr. Vice President - Nuclear

INDUSTRIAL PRETREATMENT
QUARTERLY SELF-MONITORING RESULTS

Perry Nuclear Power Plant
10 Center Rd.
Perry, Ohio 44081

Permit No.: 1004911
Report Date: 12/28/95
Laboratory: Quanterra

Date of Sample: 12/14 to 12/15/95
Sample Location: Sewage Pump Station

Time of sample: 930
Name of Sampler: Eric Smith

Laboratory Address: 1401 Shuffel Dr.
North Canton OH 44720

Date of Analysis: 12/14 to 12/22/95
Flow: 33,000 gpd

PARAMETER	SAMPLE TYPE	EPA METHOD	ANALYSIS DATE	ANALYSIS RESULT
COD	Composite	410.4	12/19 to 12/20	250 mg/L
BOD	Composite	405.1	12/14 to 12/19	110 mg/L
TSS	Composite	160.2	12/15 to 12/18	58 mg/L
Silver	Composite	200.7	12/20 to 12/21	None Detected
Mercury	Composite	245.1	12/20	None Detected
pH	Grab	150.1	12/14	8.7 s.u.
Oil/Grease Gravimetric	Grab	413.1	12/21 to 12/22	11 mg/L

I certify under penalty of law that I have personally examined and I am familiar with the information in this report and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in this report, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Pratt for D. C. Shelton 3/15/96 Sr. Vice President - Nuclear

Signature Date Title

Attachment 51

ENVIRONMENTAL SAMPLE LOG (RPI-1103-51)

Date/Time 2/7/96 / 1440

Sample Point: Industrial Wastewater

Parameter	Frequency Req. / Admin	Limit Req - Admin	Ops Cond.	Action Notes	Results	Init.
Isotopic, µCi/ml	-/PE	- <LLD	6	106	None Detected	✓
Oil & Grease, ppm	-/PE	- <5	6	106	N/R	

NOTE: Radioisotope LLD's are listed in ODCM Appendix C Table 4.12.1-1.

Remarks: _____

Reviewed By: [signature] 2/7/96

LAKE COUNTY, OHIO

INDUSTRIAL WASTEWATER QUESTIONAIRE

I. GENERAL:

A. Name of Company Cleveland Electric Illum. Comp.- Perry Power Plant

B. Mailing Address
1. Street P.O. Box 97, 10 Center Road
2. City and State Perry, Ohio
3. Zip 44081
4. County Lake

C. Facility Location Address
1. Street 10 Center Road
2. City and State Perry, Ohio
3. Zip 44081
4. County Lake

D. Telephone 259-3737

E. Contact Official

Name Donna Tizzano

Title Environmentalist

Phone 280-5514

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete and accurate.

Date 3/15/96

K. Pruett for D. C. Shelton
Signature of Official

II. PLANT OPERATIONS:

A. Brief description of manufacturing or service activities on premises in decreasing order of business volume (also please indicate the associated SIC Number):

SIC CODE	PROCESS DESCRIPTION	PRODUCT	% OF TOTAL PRODUCTION
4 9 1 1 (Primary)	Electric Utility	Electricity	100%
(Secondary)			

B. Number of Employees 1030

C. Is this a Batch Operation? Yes _____ No X

Is this a Continuous Operation? Yes X No _____

D. Operating information:

1. Hours of Operation: Continuous

Hours per day 24

Days per week 7

Weeks per year 52

2. Is there a scheduled shutdown? Yes When? Once per 18 Months on ave.

3. Is production seasonal? No
If yes, explain, indicating month(s) of peak production.

4. Length of Shift? X 8 hours _____ 10 hours

X Other* (Various)

5. Average number of employees per shift: 755 1st;
175 2nd;
100 3rd.

6. Shift start times: 0730 1st; 1530 2nd; 2330 3rd.
Various start/stop times.

7. Shift normally worked each day: All

	Sun	Mon	Tues	Wed	Thu	Fri	Sat
1st							
2nd							
3rd							

8. How indicative of normal production is your current operation? (i.e., Are you at full production, half production,...)

Currently in a scheduled refueling outage. Production varies.

E. Products manufactured or Processed: (Type and Amount)

Electricity - 1205 MW Capacity

F. Raw materials Used: (Type and Amount) N/A

G. Chemical Used (Include catalysts, intermediates, etc.): (Type and Amount) N/A

H. By-products Produced: (Type and Amount) N/A

I. Are there any future expansions planned? No

J. Is this facility in the process of being sold or being considered for sale? _____ Yes __X__ No

If "yes", when? _____

III. GENERAL WATER/WASTEWATER INFORMATION:

A. Water Source:

1. (Indicate gallons per month or cubic feet per month)

Source	Total Usage	Number of Operating Days	Daily Ave.
City	1,138,354 GPM	All	37,945 GPD
Wells			
River			
Lake Erie - Other	2,526,000,000 GPM	All	84,200,000 GPD

GPM = Gallons Per Month GPD = Gallons Per Day

2. a. Does water usage vary greatly during the production year?

Yes

b. Does water usage vary during the production week?

No

c. Does water usage vary during the production day?

No

3. If the answer is yes to any of the above three questions, list details. Note periods of maximum and minimum use.

Maximum use of city water occurs during refueling outages, manpower increases significantly.

4. a. Describe any raw water treatment process in use:

Chlorination, Flocculation, Filtration, Demineralization.

b. Are any water recycling or material reclaiming processes utilized?

X Yes _____ No

If "yes", please describe. Filtration, demineralization

B. Estimate amounts of water used in each process below:

Sanitary (Restrooms, drinking fountains, showers, etc.)	*37,945	gallons per day
Cooling Water	**85,000,000	gallons per day
Boiler Feed	0	gallons per day
Process Water	0	gallons per day
Contained in Product	0	gallons per day
Other	0	gallons per day

* Total Potable Water divided between sanitary use and periodic make-up (boiler,process)

** = Max. Design Basis

TOTAL OF ABOVE: 85,037,945 gallons per day

C. 1. Does this facility discharge ANY wastewater to the local sanitary sewer?

X Yes _____ No

2. Does this facility discharge ANY wastewater to the local storm sewer?

_____ Yes X No

D. Does this facility have a National Pollutant Discharge Elimination System (NPDES) Permit(s)?

X Yes _____ No

If "yes", please list permit numbers:

3IB00016*DD Exp. Date 5/10/96 (Permit Renewal Application Submitted)

_____ Exp. Date _____

If "yes", does the permitted facility discharge any wastewater not covered under the NPDES permit(s)?

X Yes _____ No Sanitary Sewage

E. Does the facility discharge all of its wastewater/liquid wastes to the local sanitary sewer?

_____ Yes X No

If "no", describe other disposal methods: Service Water discharge to Lake Erie via plant discharge.

F. Is sanitary wastewater discharged separately from process wastewater?

X Yes _____ No

G. Are batch wastes discharged to the sewer?

_____ Yes X No

If "yes", list batch discharge frequency, nature of waste, and volume:

Frequency (specify units) N/A

Volume: N/A Gal. per discharge

Nature of batch waste: N/A

H. Is an analysis of the wastewater available?

___X___ Yes _____ No See Quarterly Self Monitoring Reports and monthly NPDES Report for December, 1995, Attached.

If "yes", attach a copy of most recent analysis and describe location where sample was taken. Include date and time of sampling and type of discharge (i.e., total plant dicharge, process waste only, etc.). Were U.S. EPA-approved procedures used to collect and analyze the sample?

___X___ Yes _____ No _____ Unknown

I. Is there a manhole or other access for taking a wastewater sample?

___X___ Yes _____ No

J. List average volume of discharge or water losses to:

	Outlet	Estimated Average Discharge (Gal/Day
a.	Sanitary Sewer	37,945 gallons per day
b.	Storm Sewer	0 gallons per day
c.	Evaporation	18,453,537 gallons per day
d.	Open Run or Creek or Surface Water	*83,048,219 gallons per day
e.	Waste Hauler	0 gallons per day
f.	Contained in Product	0 gallons per day
g.	TOTAL of a thru f	101,539,701 gallons per day

* = Based on discharges during 1995

K. Are any process, product, or sanitary wastes being hauled by a private waste hauler? _____ Yes ___X___ No

If so, state name of hauler, location of dumping site, volume of waste, and frequency (i.e., times daily, weekly, monthly).

L. Refer to the list below to generally characterize your wastewater. Check the substances contained in your wastewater.

_____ acids and acidic wastes

_____ alkali and caustic wastes

_____ pickling wastes

_____ other metal cleaning and preparation wastes

_____ plating wastes

_____ electrocoating wastes

_____ paints

_____ pigments

_____ inks

_____ dyes

_____ chlorinated organic compounds

_____ brominated organic compounds

_____ organic solvents, thinners

_____ hot wastes (104 F or higher)

__X__ SANITARY WASTES ONLY

_____ Other (list) _____

_____ phenol-containing wastes

_____ alcohols

_____ ethers

_____ aldehydes, ketones

_____ organic acids

_____ soaps, surfactants, and detergents

_____ oils

_____ fats, grease

_____ benzene and benzene derivatives

_____ latex wastes

_____ resins, monomers

_____ waxes

_____ radioactive wastes

_____ flammables

_____ inorganic solids (sands, gravel, etc.)

IV. SAMPLING

A. State location where wastes going to the sanitary sewer can be sampled or measured.

On-site sewage lift station.

V. SPILL PREVENTION

A. Is it possible to discharge or spill (i.e., floor drains) any of the following to the municipal sewerage system from a storage site or process area?

1. Toxic pollutants (priority pollutants as indicated in Section VI).

_____ Yes ___X___ No

2. Conventional pollutants (BOD, Oil & Grease, etc.) in unusual quantity or strength.

_____ Yes ___X___ No

3. Flammable, explosive, corrosive, low pH, high temperature, etc. solutions and/or materials.

_____ Yes ___X___ No

4. Materials that can cause obstruction of flow in sewers

_____ Yes ___X___ No

If yes to any of the above, please indicate pollutant.

B. Is there a Spill Prevention Control and Countermeasure Plan in effect for any material used in this plant?

___X___ Yes _____ No

If yes, please submit a copy.
* See Attached

VI. PRIORITY POLLUTANT INFORMATION

A. In referring to the following table, please note which chemicals are or are not present in your manufacturing or service facility. Use the following to note the presence of the chemicals:

KA = Substance Known Absent UK = Unknown

SO = Stored Only KP = Subtance Known Present

Review the contents of trade name products to aid in determining the presence of these pollutants. If your industry has any of these substances stored in your facility, even if not used in a process, please indicate.

PRIORITY POLLUTANTS

1. KA acenaphthene
2. SO acrolein
3. SO acrylonitrile
4. SO benzene
5. SO benzidine
6. SO carbon tetrachloride (tetrachloromethane)
7. SO chlorobenzene
8. KA 1,2,4-trichlorobenzene
9. KA hexachlorobenzene
10. SO 1,2-dichloroethane
11. SO 1,1,1-trichloroethane
12. SO hexachloroethane
13. SO 1,1-dichloroethane
14. SO 1,1,2-trichloroethane
15. SO 1,1,2,2-tetrachloroethane
16. KA chloroethane
17. SO bis(chloromethyl) ether
18. KA bis(2-chloroethyl) ether
19. KA 2-chloroethyl vinyl ether (mixed)
20. KA 2-chloronaphthalene
21. KA 2,4,6-trichlorophenol
22. KA parachlorometacresol
23. SO chloroform (trichloromethane)
24. KA 2-chlorophenol
25. KA 1,2-dichlorobenzene
26. KA 1,3-dichlorobenzene
27. SO 1,4-dichlorobenzene
28. SO 3,3-dichlorobenzidine
29. KA 1,1-dichloroethylene
30. KA 1,2-trans-dichloroethylene
31. KA 2,4-dichlorophenol
32. KA 1,2-dichloropropane
33. KA 1,3-dichloropropylene
34. KA 2,4-dimethylphenol
35. KA 2,4-dinitrotoluene
36. SO 2,6-dinitrotoluene
37. KA 1,2-diphenylhydrazine
38. SO ethylbenzene
39. SO fluoranthene
40. KA 4-chlorophenyl phenyl ether
41. KA 4-bromophenyl phenyl ether
42. KA bis(2-chloroisopropyl) ether
43. KA bis)2-chloroethoxy) methane
44. SO methylene chloride (dichloromethane)
45. SO methyl chloride (chloromethane)
46. KA methyl bromide
66. KA bis(2-ethylhexy)
67. SO butyl benzyl phthalate
68. SO di-n-butyl phthalate
69. SO di-n-octyl phthalate
70. SO diethyl phthalate
71. SO dimethyl phthalate
72. KA benzo(a) anthracene (1,2-benzanthracene)
73. KA benzo(a)pyrene (3,4-benzopyrene)
74. KA benzofluoranthene
75. KA benzo(k)fluoranthane (11,12-benzofluoranthene)
76. KA chrysene
77. KA acenaphthylene
78. KA anthracene
79. KA benzo(ghi)perylene (1,12-benzoperylene)
80. KA fluorene
81. KA phenanthrene
82. KA dibenzo (a,h) anthracene
83. KA indeno (1,2,3-cd) pyrene
84. KA pyrene
85. SO tetrachloroethylene
86. SO toluene
87. SO trichloroethylene
88. SO vinyl chloride (chloroethylene)
89. SO aldrin
90. SO dieldrin
91. SO chlordane (tech. mixture & metabolites)
92. KA 4,4' - DDT
93. KA 4,4' - DDE (p,p' DDX)
94. KA 4,4' - DDD (p,p'-TDE)
95. KA alpha-endosulfan
96. KA beta-endosulfan
97. KA endosulfan sulfate
98. SO endrin
99. KA endrin aldehyde
100. SO heptachlor
101. KA heptachlor epoxide
102. KA alpha-BHC
103. KA beta-BHC
104. SO gamma-BHC (lindane)
105. KA delta-BHC
106. KA PCB-1242(Aroclor 1242)

47.	SO	bromoform (tribromomethane)	107.	KA	PCB-1254(Aroclor 1254)
48.	KA	dichlorobromomethane	108.	KA	PCB-1221(Aroclor 1221)
49.	SO	trichlorofluoromethane	109.	KA	PCB-1232(Aroclor 1232)
50.	SO	dichlorodifluoromethane	110.	KA	PCB-1248(Aroclor 1248)
51.	KA	chlorodibromomethane	111.	KA	PCB-1260(Aroclor 1260)
52.	KA	hexachlorobutadiene	112.	KA	PCB-1016(Aroclor 1016)
53.	KA	hexachlorocyclopentadiene	113.	SO	Toxaphene
54.	SO	isophorone	114.	SO	Antimony (Total)
55.	SO	naphthalene	115.	SO	Arsenic (Total)
56.	SO	nitrobenzene	116.	SO	Asbestos (Fibrous)
57.	KA	2-nitrophenol	117.	SO	Beryllium (Total)
58.	KA	4-nitrophenol	118.	SO	Cadmium (Total)
59.	KA	2,4-dinitrophenol	119.	SO	Chromium (Total)
60.	KA	4,6-dinitro-o-cresol	120.	SO	Copper (Total)
61.	SO	N-nitrosodimethylamine	121.	SO	Cyanide (Total)
62.	KA	N-nitrosodiphenylamine	122.	SO	Lead (Total)
63.	KA	N-nitrosodi-n-propylamine	123.	SO	Mercury (Total)
64.	SO	pentachlorophenol	124.	SO	Nickel (Total)
65.	SO	phenol (4APP method)	125.	SO	Selenium (Total)
			126.	KP	Silver (Total)
			127.	SO	Thallium (Total)
None of these materials are introduced into the sanitary waste system.			128.	SO	Zinc (Total)
			129.	KA	2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD)

B. For the chemical compounds above which are known present, please give the following information for each:

Item No.	Chemical Compound	Annual Usage (Lbs.)	Estimated Loss to Sewer (Lbs/Yr.)
126	Silver	Trace Constitutent	None

Note: If the above units are not appropriate, list data in other units, but be specific. Use additional paper if necessary.

VII. PRETREATMENT:

A. Is this plant subject to an existing Federal Pretreatment Standard? NO If so, are Pretreatment Standards being met on a consistent basis?

B. Is the wastewater or any portion thereof being pretreated before discharge? If so, state amount and type of pretreatment.

NO

C. Residuals Information

1. Are any residuals created from the pretreatment processes?

_____ Yes ___X___ No
If yes, describe residuals. _____

_____

2. Indicate quantity of residuals created (specfify units).

N/A _____

3. Describe method of residue disposal.

N/A _____

_____

4. Is the residue considered a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA)?

_____ Yes ___X___ No _____ Undetermined

SECTION VIII. SEWER CONNECTION AND DISCHARGE INFORMATION

A. List facility sewer outlets, size, and flow. Use additional sheet if necessary.

Ref. No.	Sewer Size (in)	Location of Connection or Discharge Point	Source of Discharge	Ave. Flow (GPD)
1	4 Inches	East of site to Madison Pump Station	Perry Power Plant	37,945
2				
3				

B. Provide a block flow diagram of process water and sanitary waste in your facility.

C. Provide on an attached sheet, a drawing of the facility showing locations of sewers referred to in A. above. Show locations of possible sampling points for sewers, buildings, streets, alleys, and other pertinent physical strutures.

Attachment 1

CENTERIOR ENERGY

PERRY NUCLEAR POWER PLANT
10 CENTER ROAD
PERRY, OHIO 44081
(216) 259-3737

Mail Address:
P.O. BOX 97
PERRY, OHIO 44081

Donald C. Shelton
SENIOR VICE PRESIDENT
NUCLEAR

January 12, 1996
PY-CEI/OEPA-0240L

Ohio Environmental Protection Agency
P.O. Box 163669
Columbus, Ohio 43216-3669

Gentlemen:

Enclosed are the NPDES monthly report forms for the month of December, 1995.

If you have questions or require additional information, please contact Donna Tizzano at (216) 280-5514.

Very truly yours,

for D.C. Shelton

DONALD C. SHELTON

DCS:DGT:vh

Enclosure

cc: NRC Project Manager
NRC Resident Inspector Office
NRC Document Control Desk
NRC Region III

ONTHLY REPORT FORM

4500

CLEVELAND ELECTRIC ILLUM CO 3IB00016001 DEC 95 1 1 OHIO
NUCLEAR GROUP 63461
C/O PERRY NUCLEAR POWER PLANT
10 CENTER ROAD ROOM E240 001 DISCHARGE FROM REGENERATE
NORTH PERRY 44081 LAKE NEUTRALIZATION PITS

FORM

CEI. PERRY D.G. TIZZANO

	1	1	1	2	3
	999	999	999	96	1
	CONDUI FLOW MGD	PH (MAX) S.U.	PH (MIN) S.U.	RESIDUE T NFLT MG/L	O&G TOTAL MG/L
	50050	00401	00402	00530	00550
01	0.0175	7.9	7.4	16	AA
02	AH	AH	AH		
03	AH	AH	AH		
04	AH	AH	AH		
05	AH	AH	AH		
06	AH	AH	AH		
07	0.0172	8.0	8.0	17	AA
08	AH	AH	AH		
09	AH	AH	AH		
10	AH	AH	AH		
11	0.0160	8.5	8.5	10	AA
12	AH	AH	AH		
13	AH	AH	AH		
14	AH	AH	AH		
15	0.0160	7.3	7.2		
16	AH	AH	AH		
17	AH	AH	AH		
18	AH	AH	AH		
19	AH	AH	AH		
20	AH	AH	AH		
21	0.0197	7.2	7.1	11	AA
22	AH	AH	AH		
23	AH	AH	AH		
24	AH	AH	AH		
25	AH	AH	AH		
26	0.0215	7.4	7.0	14	AA
27	AH	AH	AH		
28	AH	AH	AH		
29	AH	AH	AH		
30	0.0171	7.4	7.2		
31	AH	AH	AH		
	0.1250	53.7	52.4	68	AA
	0.0179	7.7	7.5	14	AA
	0.0215	8.5	8.5	17	AA
	0.0160	7.2	7.0	10	AA

AA - BELOW DETECTABLE LIMIT (5 mg/l for O&G and 2.5 mg/l for RESIDUE)
AH - SAMPLE NOT TAKEN, NO DISCHARGE PERFORMED THIS DATE

REPORTER

1-8-96 for D.C. Shelton VP Nuclear

3IB00016001

ONTHLY REPORT FORM
AME, ADDRESS CITY

4500

CLEVELAND ELECTRIC ILLUM CO 3IB00016002 DEC 95 1 1 OHIO
NUCLEAR GROUP 63461
C/O PERRY NUCLEAR POWER PLANT
10 CENTER ROAD ROOM E240 002 DISCHARGE FROM CHEMICAL CLEANING
NORTH PERRY 44081 LAKE LAGOON E PLANT

FORM

CEI, PERRY D.G.TIZZANO

1	1	2	3	2	2	2
999	999	96	1	96	96	96
CONDUI FLOW MGD	PH S.U.	RESIDUE T NFLT MG/L	O&G TOTAL MG/L	PHOS-T P-WET MG/L	COPPER CU.TOT MG/L	IRON FE.TOT MG/L
DAY 50050	00400	00530	00550	00665	01042	01045
01						
02						
03						
04						
05						
06						
07						
08						
09						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						

NO DISCHARGE OCCURRED DURING THE MONTH

REPORTER

1-8-96

for D.C. Shelton, VP Nuclear

3IB00016002

ONTHLY REPORT FORM

4500

CLEVELAND ELECTRIC ILLUM CO 3IB00016004 DEC 95 1 1 OHIO
NUCLEAR GROUP 63461
C/O PERRY NUCLEAR POWER PLANT
10 CENTER ROAD ROOM E240 004 POINT REP OF DISCHARGE PRIOR TO
NORTH PERRY 44081 LAKE ENTRY TO TUNNEL

FORM

CEI, PERRY D.G. TIZZANO

	1	1	3	3
	999	999	1	1
	WATER TEMP F.	CONDUI FLOW MGD	CHLOR FREE A MG/L	PH S.U.
	00011	50050	50064	00400
01	50	84.5	0.00	8.1
02	50	69.5	0.00	
03	50	75.5	0.00	
04	50	78.0	0.00	
05	50	69.8	0.00	8.2
06	48	66.8	0.00	
07	49	71.6	0.00	
08	45	78.8	0.00	8.1
09	41	77.4	0.00	
10	37	73.8	0.00	
11	46	107.1	0.00	
12	43	87.7	0.00	8.2
13	44	80.8	0.00	
14	45	82.7	0.00	
15	44	70.0	0.00	8.2
16	43	104.1	0.00	
17	40	100.1	0.00	
18	42	102.2	0.00	
19	40	103.7	0.00	8.1
20	40	109.0	0.00	
21	42	77.4	0.00	
22	41	96.7	0.00	8.1
23	41	91.6	0.00	
24	42	89.4	0.00	
25	45	91.3	0.00	
26	42	94.4	0.00	8.2
27	42	92.4	0.00	
28	42	86.5	0.00	
29	42	89.6	0.00	8.1
30	43	97.3	0.00	
31	44	101.3	0.00	
	1363	2701.0	0.00	73.3
	44	87.1	0.00	8.1
	50	109.0	0.00	8.2
	37	66.8	0.00	8.1

NONE

REPORTER

1-8-96

3IB00016004

ONTHLY REPORT FORM

4500

CLEVELAND ELECTRIC ILLUM CO 3IB00016800 DEC 95 1 1 OHIO
NUCLEAR GROUP 63461
C/O PERRY NUCLEAR POWER PLANT
10 CENTER ROAD ROOM E240 800 INTAKE WATER AT INLET TO PLANT
NORTH PERRY 44081 LAKE FROM LAKE ERIE

FORM

CEI, PERRY D.G. TIZZANO

1
999

WATER
TEMP
F.

00011

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NONE

REPORTER

1-8-96

3IB00016800

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

1.0 Purpose

This SPCCP describes the conformance of oil storage facilities at the Perry Plant with the guidelines contained in <40CFR, Part 112>. A list of these facilities and site locations are also provided in Attachments 3, 4 and 6.

2.0 Oil Spill History

On December 8, 1992 it was discovered that a release of approximately 12.5 gallons per day of turbine lube oil had occurred during the period from 10/92 to 12/8/92. This oil was mixed with plant service water and discharged to Lake Erie. The Turbine Lube Oil Cooler was removed from service and repaired. This event was reported by phone on December 8, 1992 and followed up with a confirmation letter on April 2, 1993. <L01957>

/TCN 1

On April 8, 1993, approximately 35 gallons of oil were discharged through the plant site storm drain system to a small, unnamed stream on the east side of the site. The oil was contained behind a skimmer wall; it did not enter Lake Erie. Clean up activities were completed by April 9, 1993. This event was reported to the OEPA by phone on April 8, 1993 and followed with a confirmation letter on April 12, 1993.

3.0 Facility Drainage

Storm water run-off at the Perry Plant site is controlled by final site grading and the plant storm drain system. These features are designed to prevent potential flooding of site facilities and minimize the potential for discharging spilled oil to Lake Erie. The layout of site topography and storm drainage system are provided on drawings <E-736-003 (Final Plant Site Topography)>, <E-743-013 (Plant Storm Drainage)>, <D-743-014 (Site Storm Drainage Plan-North Half)>, and <D-743-015 (Site Storm Drainage Plan-South Half)>.

Storm water run-off is collected in concrete catchment basins from graded yard areas, roof drain, oil interceptors (except 0P64A0001), and, through manually operated drain valves, from dikes surrounding the auxiliary boiler fuel oil storage tank and hazardous waste site. Run-off gravity drains from catch basins through system piping to headwalls which empty into three site streams, and ultimately to Lake Erie. The catch basins and piping are organized into three groups. The east group drains to the minor stream impoundment, the west group drains to the northwest storm drain impoundment, and the south group drains to the major stream impoundment. The system is designed for the maximum probable 6 hour and 1 hour precipitation rates. Sediment control dams with metal baffle cover plates at each of the three impoundments would assist in retaining oil and aid clean up efforts, should an oil spill reach these areas.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

4.0 Facility Description

4.1 Meteorological Monitoring

A meteorological monitoring system is located on site which provides continuous weather data for the site. Data includes wind speed, wind direction, stability class, temperature, and precipitation. This data can be accessed in the Control Room.

4.2 Facility Layout and Oil/Chemical Storage Locations

1. A facility layout indicating oil/chemical storage locations at the plant is provided in Perry Plant Facility Layout and Oil/Chemical Storage (Attachment 3 to PAP-0806).

NOTE: Unit 2 storage tanks are not in use, except those shown on Attachment 3. Indoor radwaste and oil/chemical storage tank locations are shown in detail in <Pre-Fire Plan Instructions>. A copy of these instructions has been provided to the Perry Twp. Fire Department.

2. Descriptions of oil storage tanks (located on Attachment 3) are provided in Attachment 4, Perry Plant Oil Storage Tanks.

3. Descriptions of hazardous/chemical storage tanks (listed in Attachment 3) are provided in Attachment 5, Perry Plant Hazardous Chemical Storage Tanks.

4. Descriptions of miscellaneous oil/chemical storage facilities (listed in Attachment 3) are provided in Attachment 6 Perry Plant Miscellaneous Chemical Storage Buildings/Areas.

4.3 Communications Systems

1. In-plant communications between plant employees and the Control Room, including the Control Room Shift Supervisor, are maintained by a two-way plant PA (paging) system and by radios. Channel 5 of the PA System is designated for emergency use and is continuously monitored. These systems are also augmented by a site telephone system.

2. Communications with off-site organizations and authorities are normally conducted using the public telephone system. Descriptions and use of additional communication systems are included in the <Emergency Plan for the Perry Nuclear Power Plant>.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

4.4 Emergency Equipment

Detailed descriptions of emergency equipment listed in this section, including inventories and plant locations, are provided in Safety/Fire Instructions, as indicated below.

1. Fire Equipment

Fire protection systems available at the Perry Plant include water, carbon dioxide, and halon suppression systems and a fire and security monitoring system. Hydrants are provided for outdoor areas at the site, and portable fire extinguishers are provided as required. A foam extinguishing system is also located at the auxiliary boiler fuel oil storage tank and loading station. Additional fire fighting equipment is described in <SFI-0060> and <SFI-0108>.

2. Spill Control Equipment

Oil/chemical spill kits are maintained at several areas on site, in proximity to oil/chemical storage facilities. Typical contents include dikes, drain covers, clean up equipment, chemical suits, and personnel warning/confinement materials. Refer to <SFI-0106> for more detail regarding spill kits, including location, contents and inspections. <L01957>

TCN 1

3. Personnel Protective Equipment

The Perry Plant maintains a full range of personnel protective equipment for both routine and emergency chemical handling operations. This includes all types of respiratory protection equipment. Refer to <SFI-0060> and <SFI-0106> for further details.

4. First-Aid Equipment

Locations of first-aid stations and equipment contents are provided in <SFI-0050>.

5. Decontamination Equipment

Safety shower/eyewash stations, supplied by potable water, are provided for personnel decontamination. These stations are located near all hazardous chemical storage tanks at the site. Portable eyewash stations are provided at other chemical storage locations, per <SFI-0003>.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

5.0 Auxiliary Boiler Fuel Oil Storage Tank

This tank stores No. 2 fuel oil for two auxiliary boilers. The tank is an above ground vertical cone roof storage tank which measures 40 feet high, and has an inside diameter of 46 feet, 6 inches, and a usable volume of 477,687 gallons. The tank is constructed of carbon steel and is equipped with a vent with flame arrestor, relief manhole and a surface foam fire protection system. The tank is also equipped with pneumatic level instrumentation, a sampling connection, and a water draw off connection. All pressure piping and pipe supports are designed in accordance with <ANSI/ASME-B31.1>.

The tank is surrounded by a six foot high by 150 foot diameter concrete dike for secondary containment. The dike volume is sized to contain the complete volume of the tank plus the volume of a delivery truck, and a one foot free board. Drainage from the dike area and fuel loading area is collected in a sump, 8 feet by 4 feet deep, located in the diked area. The sump drains through an 8 inch drain line, equipped with a manually operated motorized valve, to a storm drain catch basin. An alarm alerts an operator of high level in the sump. The operator inspects the sump to ensure no oil is present prior to opening the valve to drain storm water accumulation. The valve is then manually closed or will automatically close upon low sump level to prevent the valve being left inadvertently open. A status light indicating high level in the sump is provided at the fuel oil unloading stations should spillage occur during unloading operations.

The auxiliary boiler fuel oil storage tank and surrounding dike are periodically inspected for damage, deterioration, and leakage.

6.0 Diesel Generator Fuel Oil Storage Tanks

Each diesel generator fuel oil storage tank is of horizontal cylindrical, welded steel construction and is buried in the yard immediately west of the diesel generator building. Each tank is equipped with a penetration for electronic type level probe connection. Corrosion protection for the tanks and piping includes providing a corrosion allowance to the tank wall thickness, the external use of bituminous coating, and cathodic protection. The underground piping is coated with coal-tar enamel and double bonded asbestos-felt wraps. All underground fuel lines and lines which extend above grade outside the diesel generator building are <ASME Section III> Class 3, Seismic Category I, and missile protected for the first six inches above grade. Drainage from fuel oil loading sumps is routed to an oil interceptor tank.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

Fuel volume in each tank is monitored weekly by sounding or a tank level gauge. The current volume is compared with the previous volume, fuel deliveries and diesel run times, and any discrepancies are investigated.

If any volume losses cannot be accounted for, the tank shall be tested for leaks. Tests of the tanks are also performed when significant accumulation of water is found in the tank, and as part of a ten year test program. Tank testing includes one of the following methods:

1. T - Tube Manometer Test

2. The Heath Petro-Tite Tank and Line Testing System

3. Hydrostatic Testing

4. Buoyancy Testing

Tanks failing one of these tests shall be examined, repaired, or replaced.

7.0 Diesel Generator Fuel Oil Day Tanks

Each diesel generator has a fuel oil day tank mounted vertically in the respective engine room at an elevation that provides the required priming head for the engine fuel pumps. The day tanks are of cylindrical welded steel construction and are equipped with level instrumentation. Any leakage is collected in floor drain sumps and pumped to an oil interceptor tank. Water then gravity drains to a sludge holding tank and then is pumped to an industrial waste lagoon.

8.0 Turbine Lube Oil Storage Tank

This tank is located in the east end of the turbine building and serves as a reservoir for turbine lube oil. The tank and associated equipment are surrounded by curbs and gratings to prevent any oil from leaving the immediate area. Any oil from an uncontrolled spill would be collected by the building floor drain system and sump, where it could be cleaned up. Any spillage beyond this point would be routed to the radwaste floor drain oil separator and manually pumped out for disposal.

9.0 Station Transformers

Drainage from transformer pads and yard areas is routed to oil interceptor tanks prior to discharge into storm drain catchment basins.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

10.0 Oil Interceptor Tanks

Oil interceptors 0P64A0001 thru 0P64A0005 are buried concrete coated steel tanks designed to contain the volume of oil associated with equipment served. Oil is separated by gravity and retained, and oil free water is drained by gravity. Each interceptor is provided with a manway to provide access for inspection, cleaning, and oil removal. Oil interceptors are inspected periodically and after oil spills from the equipment or area served by the interceptor.

11.0 Fire Pump Diesel Fuel Storage Tank

The Fire Pump Diesel Fuel Storage Tank is a horizontal 300 gallon steel vessel. The tank equipment includes a fuel level gauge, a tank fill line with flame arrestor, a tank vent with vent relief and flame arrestor, a low level alarm switch, and a high level alarm switch. The tank is located in the Diesel Fire Service Pump Room in the northeast corner of the Emergency Service Water Pumphouse. The floor drain and trenches in this room are routed to a sump, equipped with an oil separator. Water drains from the sump/oil separator to the Emergency Service Water Pumphouse Forebay, while oil is retained in the separator, and is manually removed.

12.0 Fire Training Oil Storage Tank and Facility <L01957>

ITCN1

The fire training oil storage tank is used to supply fuel oil for fire training exercises. The tank is a 4000 gallon, above ground, cylindrical, horizontally mounted steel tank. The earthen dike surrounding the tank is 25 feet by 28 feet by 2'-6". A cross section through the dike wall reveals a symmetrical trapezoidal section with a base of 8'-0" and a top of 2'-0" The dike walls are built to enclose an impervious clay liner 1'-0" deep. The clay liner and dike walls are built in lifts of 6 to 9 inches and compacted to a minimum density of 92%. The dike and liner are protected from eroision by over toping it with a sandy, silty, clay topsiol planted with a perrenial rye grass. The dike and liner net capacity is 6866 gallons. Drainage of precipitation is accomplished by opening a 4 inch gate valve on the end of a 4 line that runs through the northwest corner of the structure.

The remainder of the facility includes two concrete burn pads, a 5000 gallon oil separator, and associated piping. All drainage of oil/water resulting from fire training exercises is collected on the burn pads. A system of containment curbs, steel/concrete trenches, and pad sloping, routes flow to an oil/water separator that is manually pumped out. Buried fuel supply lines from the fuel tank to the burn pads are coated with a coal tar primer and plastic wrap. Piping valves are contained in concrete pits.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

Based on area grading and topography, storm run-off in the vicinity of the fuel tank would be to the major stream impoundment. In the vicinity of the burn pads and oil separator runoff drains to the minor stream impoundment. The fuel oil storage tank and oil separator are routinely inspected for damage, deterioration, and leakage.

13.0 Portable Fuel Tanks

Several small above ground fuel storage tanks are maintained to supply company and contractor vehicles. The tanks are routinely inspected for damage, deterioration, and leakage. Spills would be cleaned up manually using equipment appropriate for the size of the spill. Secondary containment is provided for these tanks. These are listed in Attachment 4, Perry Plant Oil Storage Tanks.

14.0 Miscellaneous Oil Storage Buildings/Areas

These areas (See Attachment 6) are used to store oil products normally in 55 gallon drums or smaller. Spills in these areas would be manually cleaned up using appropriate equipment.

15.0 Facility Tank Truck Loading/Unloading

All loading/unloading procedures meet the minimum requirements and regulations of the Federal and Ohio Departments of Transportation. Loading/unloading operations are monitored to prevent premature vehicle departure before completion of the transfer operations. Drains and outlets on tank trucks are checked for leaks prior to departure.

16.0 Inspections/Records

Inspections and tests required by this plan are documented by written procedures and/or records. Records are maintained for at least three years.

17.0 Security

Oil storage facilities at the Perry Plant are either enclosed with a double security fence or a single security fence. Valves and starter controls for pumps which permit outward flow of oil are located in areas accessible only under supervision by company employees. All oil storage and equipment areas are lighted to deter acts of vandalism and assist personnel in detecting leaks.

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)

18.0 Spill Prevention Procedures and Training

All plant systems capable of releasing significant quantities of oil are operated in accordance with written system operating instructions. Plant operators routinely perform equipment rounds, which include checks for oil leaks and spills. Formal corrective and preventive maintenance programs are established to identify and repair equipment deficiencies, and include checks of tank level instrumentation. A formal corrective action program is used to document oil spill events and ensure plant personnel are trained, as necessary, to oil spill events, the factors which led to the spill, and required corrective actions.

19.0 Certification

I hereby certify that I have examined the facility, and being familiar with the applicable provisions of 40 CFR, Part 112, attest that this SPCCP has been prepared in accordance with good engineering practices. <L01958>

HCN 1

STANLEY J. WOLTON
Printed Name of Registered Professional Engineer

Stanley J. Wolton
Signature of Registered Professional Engineer

2/6/95
Date

Registration No. 39762 State Ohio

SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN (SPCCP)
CERTIFICATION OF THE APPLICABILITY OF THE SUBSTANTIAL HARM CRITERIA

Facility Name: Perry Nuclear Power Plant
Facility Address: 10 Center Road
North Perry, OH 44081

1. Does the facility transfer oil over water to or from vessels and does the facility have a total oil storage capacity greater than or equal to 42,000 gallons?
Yes ____ No X

2. Does the facility have a total oil storage capacity greater than or equal to one million gallons and does the facility lack secondary containment that is sufficiently large to contain the capacity of the largest aboveground oil storage tank plus sufficient freeboard to allow for precipitation within any aboveground oil storage tank area?
Yes ____ No X

3. Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the appropriated formula in Attachment C-III to this appendix or a comparable formula*) such that a discharge from the facility could cause injury to fish and wildlife and sensitive environments?
Yes ____ No X

4. Does the facility have a total oil storage capacity greater than or equal to one million gallons and is the facility located at a distance (as calculated using the appropriate formula in Attachment C-III to this appendix or a comparable formula*) such that a discharge from the facility would shut down a public drinking water intake**?
Yes ____ No X

5. Does the facility have a total oil storage capacity greater than or equal to one million gallons and has the facility experienced a reportable oil spill in an amount greater than or equal to 10,000 gallons within the last 5 years?
Yes ____ No X

* If a comparable formula is used, documentation of the reliability and analytical soundness of the alternative formula must be attached to this form.
** For the purposes of 40 CFR Part 112, public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2 (c).

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Stanley J. Wojton
Signature

Stanley Wojton
Name (type or print)

Senior Engineer
Title

10/13/94
Date

Attachment 3

Emergency Contact Telephone Number (216) 280 5632

EPA Form 8700-22 (Rev. 9-94)
Previous editions obsolete.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. OHD 056735181 | Manifest Document No. 95021 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
Cleveland Electric Illuminating
10 Center Rd Perry Oh 44081

4. Generator's Phone (216) 280 5599

5. Transporter 1 Company Name
Great Lakes Environmental

6. US EPA ID Number
MID 087478574

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
Rockwell Co
2059 Transport Rd
Cleveland Oh 44113

10. US EPA ID Number
OHD 041786 12

A. State Manifest Document Number

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone (216) 623-8383

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ Waste Flammable Liquid, N.O.S (Gasoline in Sludge) 3, UN1993, PG I	003	DM	01200	P	D001 D018
b.	X RQ Waste 1,1,1 Trichloroethane, 6.1, UN2831 PG III (F001, F002)	001	DM	00035	G	F001 F002
c.	X RQ Hazardous Waste, Liquid, N.O.S (Methylene Chloride), 9, UN3082	001	DM	00020	P	U080
d.	X Waste Sulfuric Acid, 8, UN1830 PG II	006	DM	00050	G	D002

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
11a) M061 11c) M061
11b) M061 11d) M121

15. Special Handling Instructions and Additional Information
a. RQ 3266 ERG # 27 c. RQ 7987-10
b RQ 2199 ERG # 74 d. RQ 2948 ERG # 54

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimized the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Michael Doty | Signature | Month 09 Day 20 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Shawn West | Signature: Shawn West | Month 09 Day 20 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SHAHER ALHAJJAR | Signature | Month 09 Day 29 Year 95

GENERATOR

ORIGINAL — RETURN TO GENERATOR

BLACK

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. OHD025673518 | Manifest Document No. 95029 | 2. Page 1 of 1

3. Generator's Name and Mailing Address
CLEVELAND ELECTRIC ILLUMINATING
10 CENTER RD. PERRY, OH 44081

4. Generator's Phone (216) 280-5506

5. Transporter 1 Company Name: GREAT LAKES ENV. SERVICE
6. US EPA ID Number: MID087478574

7. Transporter 2 Company Name
8. US EPA ID Number

9. Designated Facility Name and Site Address
Research Oil Co.
2655 Transport Rd.
Cleveland, OH 44115

10. US EPA ID Number: OHD000417861 2

A. Transporter's Phone
B. Transporter's Phone
C. Facility's Phone

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non Regulated Non Hazardous Waste for Record Keeping Purposes (IX Resin)	012	DM	0840.0	P
b. NON REGULATED NON HAZARDOUS WASTE FOR RECORD KEEPING PURPOSES (Ammonium Hydroxide)	001	DF	0003.0	G
c. NON REGULATED NON HAZARDOUS WASTE FOR RECORD KEEPING PURPOSES (GREASE)	002	DM	0070.0	P
d.				

D. Additional Descriptions for Materials Listed Above
a. RD 2195 c. RD 1401
b. RD 2193

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: JOSEPH C. MACK
Signature: J C Mack FOR CEI
Month 10 Day 24 Year 95

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: NELSON SATTERFIELD
Signature: Nelson Satterfield
Month 10 Day 24 Year 95

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Month Day Year

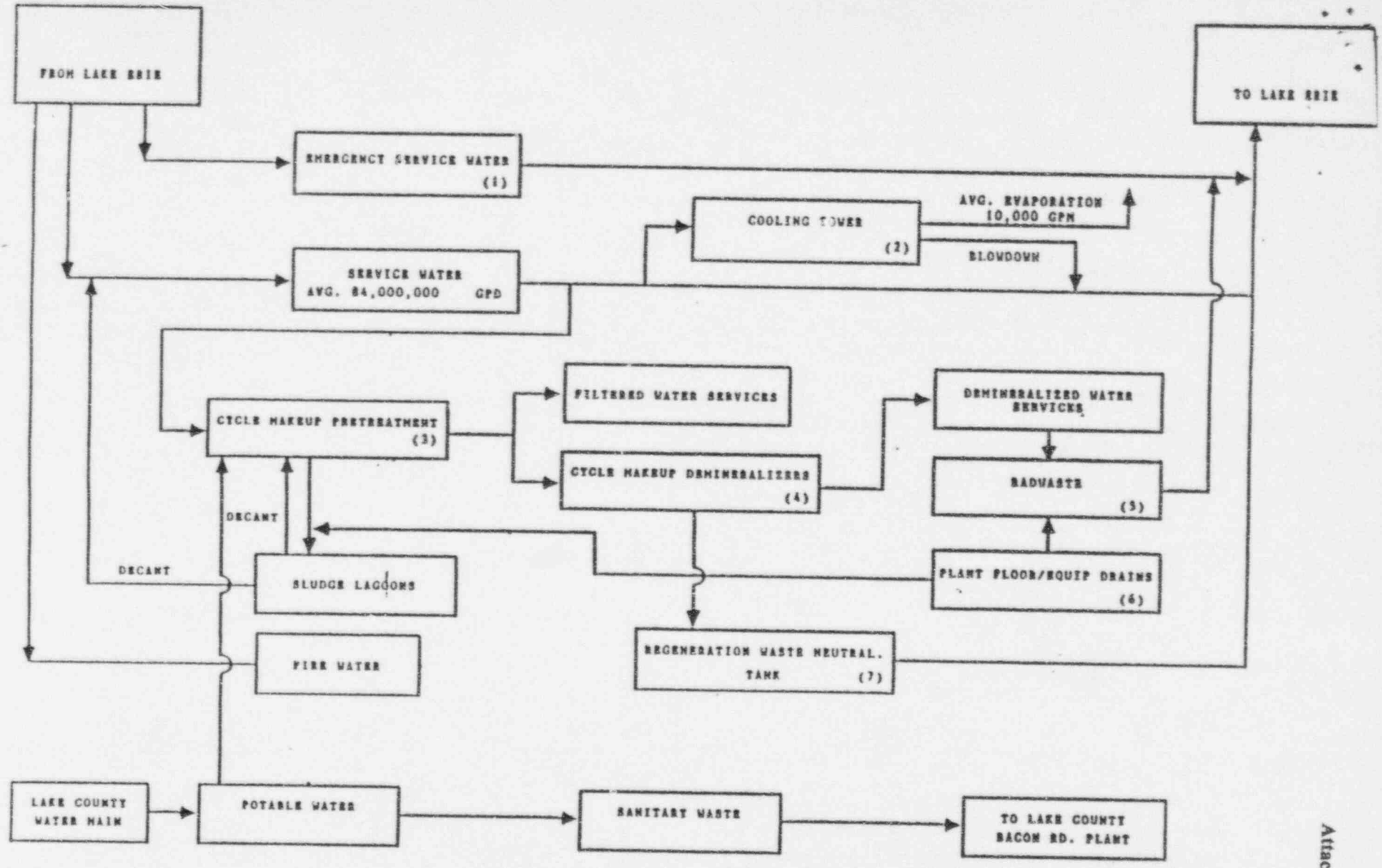
19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: SHAHER ALLAH HAM
Signature: Shaher Allah Ham
Month 10 Day 25 Year 95

GENERATOR — TRANSPORTER — FACILITY

ORIGINAL-RETURN TO GENERATOR

12-BLS-C6 Rev. 9/92



(1) 0 GPM NORMALLY
8,000 GPM AVG WHEN IN USE

(2) AVG. MAKEUP RATE 18,000 GPM
AVG. BLOWDOWN RATE 7,500 GPM

(3) MAX. INTAKE 600 GPM
AVG. INTAKE 200 GPM

(4) MAX. FLOW RATE 400 GPM

(5) BATCH FLOW ONLY
MAX. 33,000 GAL./BATCH

(6) POTENTIALLY RADIOACTIVE (RCA) DRAINS TO RADWASTE
NONRADIOACTIVE (NON-RCA) DRAINS TO SLUDGE HOLDING SUMP

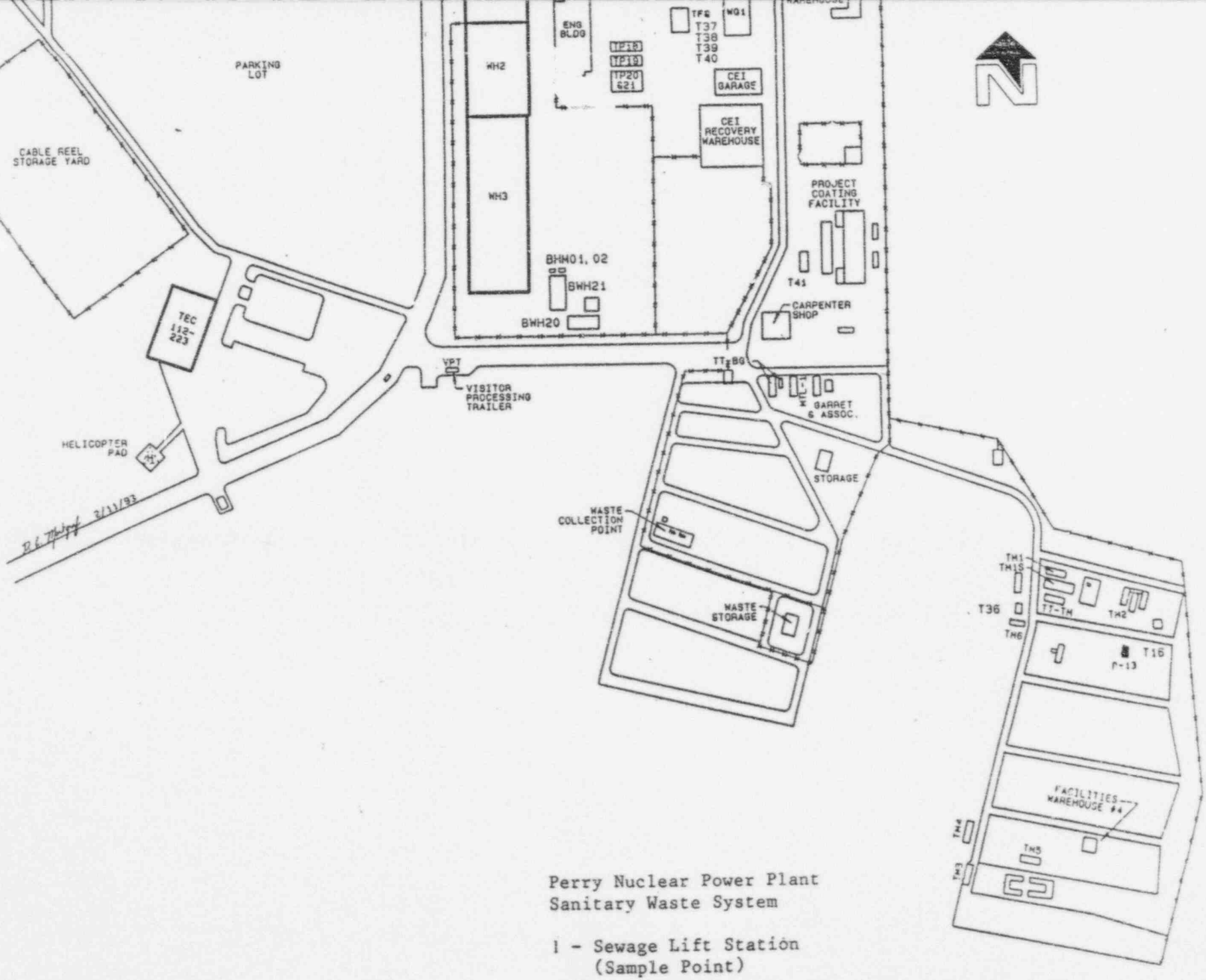
(7) BATCH FLOW ONLY
AVG. 20,000 GPD WHEN USED

PLANT WATER USE

PERRY NUCLEAR POWER PLANT

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

Attachment 4



Perry Nuclear Power Plant
Sanitary Waste System

1 - Sewage Lift Station
(Sample Point)

2 - To tie-in with Lake
County Sanitary System

Attachment 5