

FENOC

FirstEnergy Nuclear Operating Company

50-440

Perry Nuclear Power Plant
10 Center Road
Perry, Ohio 44081

John K. Wood
Vice President, Nuclear

440-280-5224
Fax: 440-280-8029

March 14, 2001
PY-CEI/USDC-0001L

U.S. Department of Commerce
U.S. Census Bureau
Director Bureau of Census
P.O. Box 5000
Jeffersonville, IN 47199-5002

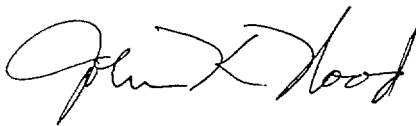
Re: Perry Nuclear Power Plant
Pollution Abatement Costs and Expenditures-1999

Ladies and Gentlemen:

Enclosed are the 1999 Pollution Abatement Costs and Expenditures for the Perry Nuclear Power Plant.

If you have questions or require additional information, please contact Mr. Leo Harte at (440) 280-5514.

Very truly yours,



Enclosure

cc: NRC Region III
NRC Resident Inspector
NRC Project Manager
NRC Document Control Desk (Docket No. 50-440)

COO1

FORM **MA-200**
(8-3-2000)

OMB No. 0607-0176: Approval Expires 08/31/2001

U.S. DEPARTMENT OF COMMERCE
Economics and Statistics Administration
U.S. CENSUS BUREAU**POLLUTION ABATEMENT COSTS AND EXPENDITURES - 1999**

NOTICE - Response to this inquiry **is required by law (Title 13, United States Code)**. By Section 9 of the same law, your report to the Census Bureau is **confidential**. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.

In correspondence pertaining to this report refer to the **CENSUS ID NUMBER (ID)** (11 digits)

ID 90443600200 310 00 9901 03 PACE
10 1 1999A1 MA-200
22111300 0001 .2839
SEQ0586-00001



ATTN: ~~J W HORVATH~~ LEO HARTE
~~CLEVELAND ELECTRIC ILL CO~~ FIRST ENERGY NUCLEAR OPERATIVE CO.
PERRY PLANT
10 ~~PARMALIE &~~ CENTER RD
PERRY OH 44081

IMPORTANT

Please read
instructions and
definitions before
completing form.

Please correct errors in name, address, and ZIP Code. ENTER street and number if not shown.

Item 1 OPERATIONAL STATUSA. Check **ONE** box that best describes the facility listed on the form label as of December 31, 1999.101 ☒ In operation102 ☐ Temporarily idle → **How long?** 103

Months

104 ☐ Sold or leased to another company - Enter date sold →

Month	Year

} **SOLD TO** →

Name		
Street		
City	State	ZIP Code

106 ☐ Permanently ceased operations - Enter date →

Month	Year

B. Check **ONE** box that best describes this facility's pollution abatement and other environmental protection expenditures for 1999.111 ☐ These expenditures were \$0 (zero) in 1999. (There were NO pollution abatement expenditures for 1999, because NO pollutants were released.)112 ☐ These expenditures were included in rent, taxes, or lease agreements.113 ☐ These expenditures occurred, but at no charge (used a scavenger service).114 ☐ The expenditures were between \$1 and \$999.

You have no pollution or do not
need to report any expenditures.
Please complete Item 9 of the
form and return it.

Thank you.

115 ☒ These expenditures were more than \$999. →**Continue with Item 2.**

Item 2 POLLUTION ABATEMENT, DISPOSAL AND RECYCLING

A. Pollution Abatement Activities

Indicate (Mark (X)) those pollution abatement activities that occurred at this facility in 1999.

1. Abatement of air emissions through -

a. Physical techniques (gravity deposition, inertial separator, etc.)?

Yes	No	Don't know
201 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

b. Biological techniques (biological filtration, activated sludge, phytoremediation, etc.)?

202 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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c. Chemical techniques (scrubbing, desulfurization, etc.)?

203 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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d. Thermal techniques (incineration, oxidation, etc.)?

204 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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2. Abatement or disposal of water discharge through -

a. Physical techniques (containment, screening, filtration, UV disinfection, etc.)?

205 <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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b. Biological techniques (activated sludge dewatering, multiplate reactor, etc.)?

206 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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c. Chemical techniques (oxidation, reduction, coagulation, neutralization, etc.)?

207 <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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d. Thermal techniques (incineration, drying, distillation, etc.)?

208 <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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3. Abatement or disposal of solid wastes through -

a. Physical techniques (containment, dehydration, screening, landfilling, underground injection well, etc.)?

209 <input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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b. Biological techniques (composting, landfarms, etc.)?

210 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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c. Thermal techniques (incineration, pyrolysis, etc.)?

211 <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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B. Pollution Abatement Costs and Expenditures by Medium

Report total pollution abatement costs and expenditures. Also report the percentage of the total capital expenditures and operating costs that are for hazardous emissions, discharges, or wastes. To avoid double counting, please record expenditures in one media category only. Report the total capital expenditures and NOT the financed or depreciated amount.

(REPORT DOLLARS IN THOUSANDS.)

What were the TOTAL pollution abatement costs and expenditures for this facility in 1999 for -

1. Abatement of air emissions?

Pollution abatement capital expenditures	Pollution abatement operating costs	Information not available or not collected to provide an estimate
220 \$ 0 000	230 \$ 0 000	240 <input type="checkbox"/>

What percent of expenditures and costs were for hazardous air emissions?

221 0 %	231 0 %	241 <input type="checkbox"/>
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2. Abatement of water discharges?

222 \$ 0 000	232 \$ 87 000	242 <input type="checkbox"/>
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What percent of expenditures and costs were for hazardous water discharges?

223 0 %	233 0 %	243 <input type="checkbox"/>
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3. Abatement of solid wastes?

224 \$ 0 000	234 \$ 25 000	244 <input type="checkbox"/>
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What percent of expenditures and costs were for hazardous solid wastes (including mixed wastes)?

225 0 %	235 10 %	245 <input type="checkbox"/>
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4. Abatement of multi-media pollutants?

226 \$ 0 000	236 \$ 0 000	246 <input type="checkbox"/>
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What percent of expenditures and costs were for hazardous multi-media pollutants (including mixed wastes)?

227 0 %	237 0 %	247 <input type="checkbox"/>
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Item 2 POLLUTION ABATEMENT, DISPOSAL AND RECYCLING – Continued
C. Disposal and Recycling Costs and Expenditures

Report on-site and off-site disposal and on-site (post process) and off-site recycling costs and expenditures in the appropriate categories below.

(REPORT DOLLARS IN THOUSANDS.)

1. On-site and off-site disposal?

What percent of expenditures were for disposal of hazardous pollutants (including mixed wastes)?

Disposal capital expenditures

250
\$ 0 000

Disposal operating costs

260
\$ 20 000

Information not available or not collected to provide an estimate

290
☐

Recycling capital expenditures

270
\$ 0 000

Recycling operating costs

280
\$ 0 000

Information not available or not collected to provide an estimate

292
☐

2. On-site (post process) and off-site recycling?

Item 3 POLLUTION PREVENTION

A. Indicate (Mark (X)) those pollution prevention activities that occurred at this facility in 1999.

Yes

No

Don't know

1. Process or procedure modifications?

301
☐

☒

☐

2. Redesign or reformulation of products?

302
☐

☒

☐

3. Substitution or modification of equipment or technologies?

303
☐

☒

☐

4. In-process recycling, recovery, recirculation, and reuse of materials?

304
☒

☐

☐

5. Substitution of raw materials?

305
☐

☒

☐

6. Improvements or modifications to housekeeping, maintenance, training or inventory control?

306
☒

☐

☐

7. Improvements or modifications to prevent leaks and spills?

307
☒

☐

☐

8. Other? Specify in the "Remarks" section, Item 9.

308
☐

☒

☐

B. If you check YES to any of the activities, report the total (e.g., capital, operating) costs and expenditures for these activities.

(REPORT DOLLARS IN THOUSANDS.)

Amount

Information not available or not collected to provide an estimate

310
\$ 2 000

311
☐

Item 4 OTHER ENVIRONMENTAL PROTECTION EXPENDITURES

Report the amount of other environmental protection expenditures in the appropriate categories below.

(REPORT DOLLARS IN THOUSANDS.)

What were TOTAL environmental expenditures for this facility in 1999 for –

Amount

Information not available or not collected to provide an estimate

A. Site cleanup through –

1. Remediation, including Superfund sites?

401
\$ 0 000

411
☐

2. Replacement of leaking or inferior USTs?

402
\$ 0 000

412
☐

3. Other?

403
\$ 0 000

413
☐

B. Habitat protection?

404
\$ 0 000

414
☐

C. Environmental monitoring and testing?

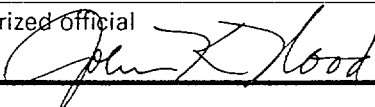
405
\$ 84 000

415
☐

D. Administration of environmental programs?

406
\$ 79 000

416
☐

Item 5 REASON FOR ENVIRONMENTAL PROTECTION EXPENDITURES			
		Yes	No
		Don't know	
Did this facility participate in any voluntary programs? (Refer to instructions for examples.)		501 <input checked="" type="checkbox"/>	<input type="checkbox"/>
Item 6 TAX CREDITS AND SUBSIDIES			
Report if you receive any tax credits or subsidies as a result of any of the expenditures in Items 2 through 4. The tax credit or subsidy must be the result of a pollution abatement or other environmental expenditure and may be for capital and/or operating expenses. For example, a facility may receive a state tax credit for the use of recycled materials in their manufacturing process or for the additional labor employed as a result of incorporating recycling into the manufacturing process. Or, a facility may receive a purchase preference (subsidy) for using a certain percent of recycled content in the final product.			
		Yes	No
		Don't know	
Did the facility receive tax credits or subsidies?		601 <input checked="" type="checkbox"/>	<input type="checkbox"/>
Item 7 OTHER PAYMENTS			
Report the amount of other payments in the appropriate categories below. (REPORT DOLLARS IN THOUSANDS.)		Amount	Information not available or not collected to provide an estimate
A. Payments to government through –		701	711
1. Permits, fees, and charges?	\$ 24 000		<input type="checkbox"/>
2. Fines and penalties?	\$ 0 000	702	712
3. Other?	\$ 0 000	703	713
B. Tradable permits –		704	714
1. Bought?	\$ 0 000		<input type="checkbox"/>
2. Sold?	\$ 0 000	705	715
3. Other?	\$ 0 000	706	716
		801	802
Estimate the number of hours it took to complete this form.		6	<input type="checkbox"/>
Item 8 BURDEN			
		Number of hours	Information not available or not collected to provide an estimate
		801	802
Item 9 CERTIFICATION			
Please provide information on the person to contact regarding this report, as well as the name, signature and title of a person who verified that the information reported in this survey is accurate. The authorizing official may be a plant manager, vice president or environmental health and safety official. Also, feel free to add any additional comments in the space provided below. Thank you.			
Name of person to contact regarding this report (Please print)		Telephone	
LEO HARTE		Area code	Ext.
		440	5514
Signature of authorized official		Title	Date
		VP NUCLEAR PERRY	3/14/01
Remarks			