

Fluor Fernald, Inc.
P.O. Box 538704
Cincinnati, OH 45253-8704

4194

(513)648-3000

FLUOR

April 9, 2002

Fernald Environmental Management Project
Letter No. C:ESHQ(PI/EC):2002-0009

Ms. Susan I. Marshall,
Environmental Technician II
Hamilton County Department of Environmental Services
250 William Howard Taft Road
Cincinnati, OH 45219

Dear Ms. Marshall:

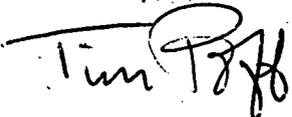
**HAMILTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES EMISSION
INVENTORY QUESTIONNAIRE - REPORTING YEAR 2001**

**Reference: Letter, C. R. Chadwick to E. Fisher, "Facility Emission Inventory," dated
January 14, 2002**

As requested in the referenced letter, enclosed is a completed Hamilton County
Department of Environmental Services Emission Inventory Questionnaire for Reporting
Year 2001.

If you have any question concerning this report, please contact Ervin Fisher, of my staff,
at (513) 648-5293.

Sincerely,



Timothy A. Poff, Manager
Environmental Compliance

TAP:EF:bci

Enclosure

4194

Ms. Susan Marshall

Letter No. C:ESHQ(PI/EC):2002-0009

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c: R. Bauer, MS69
E. Fisher, MS65-2
K. Fritts, MS52-9 (Commitment No. 1259)
T. Hagen, MS65-2
M. Jewett, MS52-5
E. Skintik, DOE-FEMP, MS45
P. Spotts, MS65-2
Administrative Record, MS78
File Record Subject: Hamilton County Department of Environmental Services
Emission Inventory Questionnaire - Reporting Year 2001

HAMILTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
EMISSION INVENTORY QUESTIONNAIRE

4194

STATIONARY COMBUSTION SOURCES

Please complete this form with data representing operations for the calendar year listed above.

Facility Name:	Fernald Environmental Management Project
OEPA Premise Number	1431110128
Facility Mailing Address:	P.O. Box 538704 Cincinnati OH 45253-8704
Person Completing Form:	Ervin Fisher
Telephone Number:	(513) 648-5293
FAX Number:	(513) 648-5263
E-Mail Address:	<u>Ervin.Fisher@Fernald.Gov</u>

OEPA Source No. (example B001)	B006	B007,8,&9
Company ID No.	10-007	10-009,10,11
Type of Fuel Used	Gas/Oil	Gas/Oil
Coal, tons/year	N/A	N/A
Oil (indicate type), gal/year	# 2 Oil - 0	# 2 Oil - 507
Gas, Million cubic ft/year (please report mmcf)*	4.554	110.9169
Other (indicate units) units/year	N/A	N/A
Fuel Sulfur Content % (as fired)	N/A / 0.02%	N/A / 0.02%
Ash % (as fired)	N/A / 0.01%	N/A / 0.01%
Fuel Heat Value (BTU/unit) as fired	1020 / 139501	1020 / 139501
Actual Collector Efficiency	N/A	N/A
Last Date Tested	N/A	N/A
% Annual Input Per Quarter January - March	99.2% / 0%	40.5% / 0%
% Annual Input Per Quarter April - June	0% / 0%	15.2% / 0%
% Annual Input Per Quarter July - September	0% / 0%	15.0% / 12.2%
% Annual Input Per Quarter October - December	0.8% / 0%	29.3% / 87.8%
Operating Schedule Hours/Day	24	24
Operating Schedule Days/Week	7	7
Operating Schedule Weeks/Year (or Hours/Year)	52	52
Hours Source Operated Without Control Equip.	00	00

*Natural gas usage should be reported in million cf. The unit mcf is thousand cf.

Please submit any comments or extra information on a separate page.

MAIL TO: Susan L. Marshall Environmental Technician 2
Hamilton County Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

HAMILTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
EMISSION INVENTORY QUESTIONNAIRE

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Hazardous Air Pollutants Sources (HAPS)

Please complete this form with data representing operations for the calendar year listed above.

Facility Name:	Fernald Environmental Management Project
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Person Completing Form:	Ervin Fisher
Telephone Number:	(513) 648-5293
FAX Number:	(513) 648-5263
E-Mail Address:	Ervin.Fisher@Fernald.Gov

Please circle all HAPS emitted from your facility:

- benzene vinyl chloride styrene methylene chloride formaldehyde
acrylonitrile asbestos mercury beryllium radionuclides

OEPA Source No.	Z044	Z004	Z005/Z003
Company ID Number:	20-006	15-001	15-002/15-003
Type of Process/Product Made	Cooling Tower	Lab Analysis	Lab analysis
Actual Annual Activity (curies/year)	1.86E-07	2.00E-07	2.61E-05
Name of HAP:	Radionuclide	Radionuclide	Radionuclide
Type of Pollution Control*:	None	HEPA	None
Hours Operated Without Control Equipment:	N/A	0 Hours	N/A
Efficiency of Control Equipment(%):	N/A	99.97%	N/A
Emission factor (AP42, FIRE, test, ect...):	AP, Sect. 13.4-4	Stack Monitoring	Stack Test
Annual Operation (Hrs/Day):	24	24	24
Annual Operation (Days/Week):	7	7	7
Annual Operation (Weeks/Year):	52	52	52
% Operation Per Quarter (Jan-Mar):	4.0%	25%	25%
% Operation Per Quarter (Apr-Jun):	25.9%	25%	25%
% Operation Per Quarter (Jul-Sep):	67.9	25%	25%
% Operation Per Quarter (Oct-Dec):	2.2%	25%	25%

* Pollution control Equipment- Baghouse, cyclone, scrubber, etc., or none

** Please identify source of emission factor and its units.

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Please circle all HAPS emitted from your facility:

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acrylonitrile asbestos mercury beryllium radionuclides

OEPA Source No.	Z006	Z043	Z048
Company ID Number:	53-002	51-040	91-002
Type of Process/Product Made	Lab Analysis	Lab Analysis	Lab Analysis
Actual Annual Activity (curies/year)	1.11E-07	4.50E-5	2.72E-11
Name of HAP:	Radionuclide	Radionuclide	Radionuclide
Type of Pollution Control*:	None	None	HEPA
Hours Operated Without Control Equipment:	N/A	N/A	0
Efficiency of Control Equipment(%):	N/A	N/A	99.97%
Emission factor (AP42, FIRE, test, ect...):	Eng. Calculations	Eng. Calculations 5824 hrs oper.	Eng. Calculations 2550 hrs oper.
Annual Operation (Hrs/Day):	16	16	10
Annual Operation (Days/Week):	7	7	5
Annual Operation (Weeks/Year):	52	52	51
% Operation Per Quarter (Jan-Mar):	25%	25%	25%
% Operation Per Quarter (Apr-Jun):	25%	25%	25%
% Operation Per Quarter (Jul-Sep):	25%	25%	25%
% Operation Per Quarter (Oct-Dec):	25%	25%	25%

* Pollution control Equipment- Baghouse, cyclone, scrubber, etc., or none

** Please identify source of emission factor and its units.

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HAMILTON COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
EMISSION INVENTORY QUESTIONNAIRE

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FAX Number:	(513) 648-5263
E-Mail Address:	Ervin.Fisher@Fernald.Gov

Please circle all HAPS emitted from your facility:

- benzene vinyl chloride styrene methylene chloride formaldehyde
acrylonitrile asbestos mercury beryllium radionuclides

OEPA Source No.	Z052	Z026	Z056
Company ID Number:	56-002	71-001	80-002
Type of Process/Product Made	Inspection Enclosure	Material Sorting	Package U-Metal
Actual Annual Activity (curies/year)	1.24E-06	2.16E-8	6.45E-04
Name of HAP:	Radionuclide	Radionuclide	Radionuclide
Type of Pollution Control*:	HEPA	HEPA	None
Hours Operated Without Control Equipment:	0	0	N/A
Efficiency of Control Equipment(%):	99.97%	99.97%	N/A
Emission factor (AP42, FIRE, test, ect...):	Eng. Calculations 208 hrs. oper.	Stack sample 5200 hrs oper.	Eng. Calculations
Annual Operation (Hrs/Day):	2	24	24
Annual Operation (Days/Week):	4	7	7
Annual Operation (Weeks/Year):	26	52	52
% Operation Per Quarter (Jan-Mar):	0%	8%	25%
% Operation Per Quarter (Apr-Jun):	0%	8%	25%
% Operation Per Quarter (Jul-Sep):	50%	42%	25%
% Operation Per Quarter (Oct-Dec):	50%	42%	25%

* Pollution control Equipment- Baghouse, cyclone, scrubber, etc., or none

** Please identify source of emission factor and its units.

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Please circle all HAPS emitted from your facility:

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acrylonitrile asbestos mercury beryllium radionuclides

OEPA Source No.	Z051	Z047	Z047
Company ID Number:	91-003	91-001R	91-001B
Type of Process/Product Made	Clothes Dryers	Material Drying	Material Drying
Actual Annual Activity (curies/year)	1.94E-7	6.18E-08	1.73E-8 tons/year
Name of HAP:	Radionuclide	Radionuclide	Beryllium
Type of Pollution Control*:	Line Filter	HEPA	HEPA
Hours Operated Without Control Equipment:	0	0	0
Efficiency of Control Equipment(%):	70-75%	99.97%	99.97%
Emission factor (AP42, FIRE, test, ect...):	Eng. Calculations 4160 hrs. oper.	Stack Sampler 5572 hrs. oper.	Engineering Calc. 5572 hrs. oper.
Annual Operation (Hrs/Day):	16	24	24
Annual Operation (Days/Week):	5	5	5
Annual Operation (Weeks/Year):	52	52	52
% Operation Per Quarter (Jan-Mar):	25%	31%	31%
% Operation Per Quarter (Apr-Jun):	25%	24%	24%
% Operation Per Quarter (Jul-Sep):	25%	24%	24%
% Operation Per Quarter (Oct-Dec):	25%	21%	21%

* Pollution control Equipment- Baghouse, cyclone, scrubber, etc., or none

** Please identify source of emission factor and its units.

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