TV FER/EIS Emissions Report (200950) for 2010
General Mills Cereals Properties, LLC
1431400175
March 27, 2011

2010 Emissions Summary Report : 200950

Oct 7 2011, 13:22:07

- Report Data

Report Category: TV

Submitted Date: 03/27/2011

Approved Date 04/05/2011

Reporting Year: 2010

Reporting State Approved

- Reports Included

FER: X ES: EIS: X

- Facility Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0.	0.238	0.238	TONs
SO2 - Sulfur Dioxide	SO2	X	0.	0.102866	0.102866	TONs
NOx - Nitrogen Oxides	NOX	X	0.	3.048	3.048	TONs
Organic Compounds	OC	X	0.	0.545387	0.545387	TONs
Pb - Lead	7439921	X	0.	2.2582E-05	2.2582E-05	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	8.708	8.708	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	8.707	8.707	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.155384	0.155384	TONs
VOC - Volatile Organic Compounds	VOC		0.	0.317307	0.317307	TONs
Ammonia	NH3		0.	0.133441	0.133441	TONs
CO - Carbon Monoxide	CO		0.	2.73075	2.73075	TONs
Total of Chargable Pollutants					12.4043	TONS

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	1.02659E-06	1.02659E-06	TONs
Acenaphthylene	208968	0.	9.7223E-07	9.7223E-07	TONs

Acetaldehyde	75070	0.	0.00105659	0.00105659	TONs
Acrolein	107028	0.	7.57466E-04	7.57466E-04	TONs
Anthracene	120127	0.	7.90121E-07	7.90121E-07	TONs
Arsenic	7440382	0.	9.12025E-06	9.12025E-06	TONs
Benz[A]Anthracene	56553	0.	1.28666E-06	1.28666E-06	TONs
Benzene	71432	0.	3.22888E-04	3.22888E-04	TONs
Benzo[A]Pyrene	50328	0.	5.02594E-08	5.02594E-08	TONs
Benzo[B]Fluoranthene	205992	0.	2.03001E-07	2.03001E-07	TONs
Benzo[G,H,I,]Perylene	191242	0.	8.55687E-08	8.55687E-08	TONs
Benzo[K]Fluoranthene	207089	0.	5.65402E-08	5.65402E-08	TONs
Beryllium	7440417	0.	8.72324E-07	8.72324E-07	TONs
Butadiene, 1,3-	106990	0.	4.85374E-06	4.85374E-06	TONs
Cadmium	7440439	0.	4.62116E-05	4.62116E-05	TONs
Chromium	7440473	0.	5.86446E-05	5.86446E-05	TONs
Chrysene	218019	0.	1.41363E-07	1.41363E-07	TONs
Cobalt	7440484	0.	3.48125E-06	3.48125E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	9.72376E-08	9.72376E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	3.31548E-07	3.31548E-07	TONs
Ethyl Benzene	100414	0.	5.62424E-06	5.62424E-06	TONs
Fluoranthene	206440	0.	2.08119E-06	2.08119E-06	TONs
Fluorene	86737	0.	7.41468E-06	7.41468E-06	TONs
Formaldehyde	50000	0.	0.0448192	0.0448192	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0.	2.301E-11	2.301E-11	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0.	5.369E-12	5.369E-12	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0.	9.5108E-12	9.5108E-12	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0.	1.05846E-12	1.05846E-12	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0.	1.16584E-12	1.16584E-12	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0.	2.70254E-11	2.70254E-11	TONs
Hexane, N-	110543	0.	0.0745983	0.0745983	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	8.38502E-08	8.38502E-08	TONs
MN - Manganese	7439965	0.	1.69958E-05	1.69958E-05	TONs

Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	1.14738E-05	1.14738E-05	TONs
Methylcholanthrene, 3-	56495	0.	3.72991E-08	3.72991E-08	TONs
Methylnaphthalene, 2-	91576	0.	9.94644E-07	9.94644E-07	TONs
Naphthalene	91203	0.	7.2412E-05	7.2412E-05	TONs
Nickel	7440020	0.	8.7655E-05	8.7655E-05	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	2.4544E-10	2.4544E-10	TONs
Octachlorodibenzofuran	39001020	0.	1.8408E-11	1.8408E-11	TONs
PAH, 16-	40	0.	4.17099E-05	4.17099E-05	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0.	1.24733E-11	1.24733E-11	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0.	2.07888E-11	2.07888E-11	TONs
Phenanthrene	85018	0.	1.55204E-05	1.55204E-05	TONs
Polycyclic Organic Matter	246	0.	3.1959E-05	3.1959E-05	TONs
Pyrene	129000	0.	1.44305E-06	1.44305E-06	TONs
Selenium	7782492	0.	3.61563E-06	3.61563E-06	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0.	1.30969E-10	1.30969E-10	TONs
Toluene	108883	0.	2.42452E-04	2.42452E-04	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	3.068E-11	3.068E-11	TONs
Total Pentachlorodibenzofuran	30402154	0.	7.3632E-13	7.3632E-13	TONs
Xylenes (Isomers and Mixture)	1330207	0.	7.07577E-05	7.07577E-05	TONs

- **Attachments**

Description	Type	Public Document	Trade Seceret Document	Trade secret Justification

- **Notes**

User Name	Date	Note

Emission Units Without Detailed Emissions

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Emission Unit	Why Excluded	Company Equipment ID
TMP164312	Exemption Status = De minimis	P043 Enrober
F001	Exemption Status = De minimis	Plant Roads+Parking

L001	Exemption Status = Permit Exempt	Parts Washers
P026	Exemption Status = De minimis	Unloading System A
P027	Exemption Status = De minimis	Unloading System B
P030	Exemption Status = De minimis	Grain Conveyance System B
P038	Exemption Status = De minimis	Ingredient Transfer System
P039	Exemption Status = De minimis	Packaging Line Labeling
P040	Exemption Status = De minimis	Propane System
P041	Exemption Status = De minimis	Plant-wide Housekeeping Vacuum Systems
P042	Exemption Status = Permit Exempt	Building 24 - Finished Product Oven
P901	Less Than Reporting Requirement	By-Product Transfer and Loadout
T001	Exemption Status = De minimis	No. 2 Oil Aboveground Storage Tank #1
T002	Exemption Status = De minimis	No. 2 Oil Aboveground Storage Tank #2
T003	Exemption Status = De minimis	No. 2 Oil Aboveground Storage Tank #3
T004	Exemption Status = De minimis	No. 2 Oil Aboveground Storage Tank #4

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
B002	**1-02-006-02**	0.082	0.008655	0.577	0.159	7.21E-06	0.027	0.027	0.027	0.079	0.046	0.866
B002	**1-02-005-02**	0.001	0.002	0.009	1.39E-04	6.72E-07	0.001	0.001	1.38E-04	1.1E-04	4.41E-04	0.002755
B003	**1-02-006-02**	0.154	0.0162111	1.351	0.297	1.35E-05	0.051	0.051	0.051	0.149	0.086	1.621
B003	**1-02-005-02**	0.001	0.004	0.016	2.48E-04	1.2E-06	0.002	0.001	2.46E-04	1.97E-04	0.001	0.005
P001	**3-02-040-02**	0.	0.	0.	0.	0.	0.59	0.59	0.	0.	0.	0.
P002	**3-02-040-02**	0.	0.	0.	0.	0.	2.62	2.62	0.	0.	0.	0.
P029	**3-02-040-02**	0.	0.	0.	0.	0.	3.7	3.7	0.	0.	0.	0.
P034	**3-02-040-03**	0.	0.	0.	0.	0.	1.64	1.64	0.	0.	0.	0.
P044	**2-02-001-02**	0.	0.072	1.095	0.089	0.	0.077	0.077	0.077	0.089	0.	0.236
Total		0.238	0.102866	3.048	0.545387	2.2582E-05	8.708	8.707	0.155384	0.317307	0.133441	2.73075

Emission Unit Summary: B002

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Emissions Unit ID: B002

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0.	0.083	0.083	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.010655	0.010655	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	0.586	0.586	TONs	
Organic Compounds	OC	X	0.	0.159139	0.159139	TONs	
Pb - Lead	7439921	X	0.	7.882E-06	7.882E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.028	0.028	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.028	0.028	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.027138	0.027138	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.07911	0.07911	TONs	
Ammonia	NH3		0.	0.046441	0.046441	TONs	
CO - Carbon Monoxide	CO		0.	0.868755	0.868755	TONs	
Total of Chargable Pollutants					0.783802	TONS	

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Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	3.05012E-07	3.05012E-07	TONs
Acenaphthylene	208968	0.	1.23182E-07	1.23182E-07	TONs
Acetaldehyde	75070	0.	3.01482E-04	3.01482E-04	TONs
Acrolein	107028	0.	2.5965E-04	2.5965E-04	TONs
Anthracene	120127	0.	1.1649E-07	1.1649E-07	TONs
Arsenic	7440382	0.	3.18369E-06	3.18369E-06	TONs

Benz[A]Anthracene	56553	0.	3.11924E-07	3.11924E-07	TONs
Benzene	71432	0.	3.18078E-05	3.18078E-05	TONs
Benzo[A]Pyrene	50328	0.	9.39334E-09	9.39334E-09	TONs
Benzo[B]Fluoranthene	205992	0.	6.80825E-08	6.80825E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	8.655E-09	8.655E-09	TONs
Benzo[K]Fluoranthene	207089	0.	1.29825E-08	1.29825E-08	TONs
Beryllium	7440417	0.	3.10565E-07	3.10565E-07	TONs
Cadmium	7440439	0.	1.60915E-05	1.60915E-05	TONs
Chromium	7440473	0.	2.0419E-05	2.0419E-05	TONs
Chrysene	218019	0.	1.88816E-08	1.88816E-08	TONs
Cobalt	7440484	0.	1.2117E-06	1.2117E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	8.655E-09	8.655E-09	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	1.154E-07	1.154E-07	TONs
Fluoranthene	206440	0.	6.7519E-08	6.7519E-08	TONs
Fluorene	86737	0.	5.8022E-08	5.8022E-08	TONs
Formaldehyde	50000	0.	0.0159589	0.0159589	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0.	8.265E-12	8.265E-12	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0.	1.9285E-12	1.9285E-12	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0.	3.4162E-12	3.4162E-12	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0.	3.8019E-13	3.8019E-13	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0.	4.1876E-13	4.1876E-13	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0.	9.7073E-12	9.7073E-12	TONs
Hexane, N-	110543	0.	0.025965	0.025965	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	1.29825E-08	1.29825E-08	TONs
MN - Manganese	7439965	0.	5.92953E-06	5.92953E-06	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	3.97452E-06	3.97452E-06	TONs
Methylcholanthrene, 3-	56495	0.	1.29825E-08	1.29825E-08	TONs
Methylnaphthalene, 2-	91576	0.	3.462E-07	3.462E-07	TONs
Naphthalene	91203	0.	1.81662E-05	1.81662E-05	TONs
Nickel	7440020	0.	3.05165E-05	3.05165E-05	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	8.816E-11	8.816E-11	TONs

Octachlorodibenzofuran	39001020	0.	6.612E-12	6.612E-12	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0.	4.48029E-12	4.48029E-12	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0.	7.46715E-12	7.46715E-12	TONs
Phenanthrene	85018	0.	2.94512E-06	2.94512E-06	TONs
Polycyclic Organic Matter	246	0.	1.11801E-05	1.11801E-05	TONs
Pyrene	129000	0.	8.9757E-08	8.9757E-08	TONs
Selenium	7782492	0.	1.29317E-06	1.29317E-06	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0.	4.70431E-11	4.70431E-11	TONs
Toluene	108883	0.	4.9045E-05	4.9045E-05	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	1.102E-11	1.102E-11	TONs
Total Pentachlorodibenzofuran	30402154	0.	2.6448E-13	2.6448E-13	TONs

- Processes

- Process & Emissions Detail

Name: B002-2

Source Classification Code (SCC): 1-02-006-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 50

Hours Per Year: 3174

Winter (Dec - Feb)%: 24

Spring (March-May)%: 24

Summer (June-Aug)%: 15

Fall (Sept-Nov)%: 37

Material	Material Action	Throughput	X Units
Natural Gas	Burned	28.85	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1,000	Gas Heat Content (Btu/Cubic Feet)

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.082	0.082	TONs	AP-42 Formula. Per AP-42 Table 1.4-2 (7/98) Condensible PM = 5.7 lb/mmcf. 5.7 lb/MMCF x 28.85 MMCF x (1 ton/2,000 lb) = 0.082 tons/yr.
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.008655	0.008655	TONs	Autocalculate AP-42 Table 1.4-2 (7/98).
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			0	0.577	0.577	TONs	NOx emissions based on April 23, 2001 stack test report. NOx emissions 0.04 lb/mmBTU and heat content of natural gas is 1,000 BTU/cf 0.04 lb/mmBTU x 28,850,000 cf x 0.001 mmBTU/cf x (1 ton/2,000 lb) = 0.577 tons/yr
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.159	0.159	TONs	AP-42 Table 1.4-2 (7/98) Formula 11 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 0.159 tons/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	7.21E-06	7.21E-06	TONs	AP-42 Table 1.4-2 (7/98) Formula 0.0005 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 7.21E-06 ton/yr.
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.027	0.027	TONs	AP-42 Formula Per AP-42 Table 1.4-2 (7/98), Filterable PM = 1.9 lb/mmcf. 1.9 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 0.027 tons/yr
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.027	0.027	TONs	Per AP-42 Table 1.4-2 (7/98), total filterable PM<10 microns = filterable PM.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.027	0.027	TONs	Per AP-42 Table 1.4-2 (7/98), filterable PM<2.5 microns = filterable PM.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.079	0.079	TONs	AP-42 Table 1.4-2 (7/98) Formula 5.5 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 0.079 tons/yr
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0.046	0.046	TONs	USEPA WebFIRE (12/05) emission factor of 3.2 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 0.046 tons/yr.
CO - Carbon	CO		emissions:			0	0.866	0.866	TONs	CO emissions based on manufacturer's guarantee and PTI

Monoxide			ENG. JUDGEMENT							#P0106715 limit of 0.06 lb/mmBTU. CO emission factor of 60 lb/mmcf based on CO emission limit of 0.06 lb/mmBTU and natural gas heat content of 1,000 BTU/cf. 60 lb/MMCF X 28.85 MMCF X (1 ton/2000 lb) = 0.866 tons/yr
Total of Chargable Pollutants								0.771662	TONS	

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- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	3.01482E-04	3.01482E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	2.5965E-04	2.5965E-04	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	0.	1.731E-08	1.731E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	0.	2.885E-06	2.885E-06	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	0.	3.02925E-05	3.02925E-05	TONs	

Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	0.	8.655E-09	8.655E-09	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	6E-07	0.	8.655E-09	8.655E-09	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	0.	8.655E-08	8.655E-08	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	0.	1.58675E-05	1.58675E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	0.	2.0195E-05	2.0195E-05	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	0.	1.2117E-06	1.2117E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	0.	8.655E-09	8.655E-09	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	0.	1.154E-07	1.154E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	0.	4.3275E-08	4.3275E-08	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	0.	4.039E-08	4.039E-08	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.	0.00108188	0.00108188	TONs	

Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.	0.025965	0.025965	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	0.	5.4815E-06	5.4815E-06	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	2.6E-04	0.	3.7505E-06	3.7505E-06	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	0.	1.29825E-08	1.29825E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	0.	3.462E-07	3.462E-07	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	6.1E-04	0.	8.79925E-06	8.79925E-06	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	0	0.0021	0.	3.02925E-05	3.02925E-05	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	1.7E-05	0.	2.45225E-07	2.45225E-07	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	6.49E-04	0.	9.36182E-06	9.36182E-06	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	5E-06	0.	7.2125E-08	7.2125E-08	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	1.2E-05	0.	1.731E-07	1.731E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0034	0.	4.9045E-05	4.9045E-05	TONs	

- Process & Emissions Detail

Name: B002-1

Source Classification Code (SCC): 1-02-005-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 50

Hours Per Year: 3174

Winter (Dec - Feb)%: 91

Spring (March-May)%: 0

Summer (June-Aug)%: 9

Fall (Sept-Nov)%: 0

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	1.102	1000 GALLONS

Variable	Amount	Meaning
HCl	135,520	Liquid Heat Content (Btu/gallons)
S	0.029	% Sulfur content by weight

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	AP-42 Formula. 1.3 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 0.001 tons/yr. Condensible PM (1.3 lb/1,000 gal) per AP-42 Table 1.3-2 (5/10).
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.002	0.002	TONs	AP-42 Table 1.3-1 (5/10) Formula (142 x 0.029% sulfur) lb/1,000 gallons x 1,102 gallons x (1 ton/2,000 lb) = 0.002 tons/yr
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			0	0.009	0.009	TONs	NOx emissions based on April 23, 2001 stack test report. NOx emissions 0.12 lb/mmBTU and heat content of #2 fuel oil was 135,520 BTU/gal in 2010. 0.12 lb/mmBTU x 1,102 gallons x 0.13552 mmBTU/gallon x (1 ton/2,000 lb) = 0.009 tons/yr

Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	1.39E-04	1.39E-04	TONs	AP-42 Table 1.3-3 (5/10) Formula 0.252 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 1.39E-04 tons/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	6.72E-07	6.72E-07	TONs	AP-42 Table 1.3-10 (5/10) Formula 9 lb/10E12 BTU X 1,102 gallons X 135,520 BTU/gallon X (1 ton/2,000 lb) = 6.72E-07 ton/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	AP-42 Formula 2 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 0.001 tons/yr. Filterable PM (2 lb/1,000 gal) per AP-42 Table 1.3-1 (5/10).
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	AP-42 Formula 1 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 0.001 tons/yr. Filterable PM10 (1 lb/1,000 gal) per AP-42 Table 1.3-6 (5/10).
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	1.38E-04	1.38E-04	TONs	AP-42 Formula 0.25 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 1.38E-04 tons/yr. Filterable PM2.5 (0.25 lb/1,000 gal) per AP-42 Table 1.3-6 (5/10).
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	1.10E-04	1.1E-04	TONs	AP-42 Table 1.3-3 (5/10) Formula 0.2 lb/1,000 gallons x 1,102 gallons x (1 ton/2,000 lb) = 1.10E-04 tons/yr
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	4.41E-04	4.41E-04	TONs	USEPA WebFIRE (12/05) emission factor of 0.8 lb/1,000 gallons X 1,102 gallons X (1 ton/2,000 lb) = 4.41E-04 tons/yr.
CO - Carbon Monoxide	CO		factor:OEPA (auto calculate)	0	5	0.	0.002755	0.002755	TONs	Autocalculate. AP-42 Table 1.3-1 (5/10) Formula 5 lb/1,000 gallons x 1,102 gallons x (1 ton/2,000 lb) = 0.003 tons/yr.
Total of Chargable Pollutants								0.0121397	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Process Emissions

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEP	0	5.3E-04	0.	2.9203E-07	2.9203E-07	TONs	

		A (auto calculate)							
Acenaphthylene	208968	factor:OEP A (auto calculate)	0	2E-04	0.	1.102E-07	1.102E-07	TONs	
Anthracene	120127	factor:OEP A (auto calculate)	0	1.8E-04	0.	9.918E-08	9.918E-08	TONs	
Arsenic	7440382	factor:OEP A (auto calculate)	0	5.4208E-04	0.	2.98686E-07	2.98686E-07	TONs	
Benz[A]Anthracene	56553	factor:OEP A (auto calculate)	0	5.42544E-04	0.	2.98942E-07	2.98942E-07	TONs	
Benzene	71432	factor:OEP A (auto calculate)	0	0.00275	0.	1.51525E-06	1.51525E-06	TONs	
Benzo[A]Pyrene	50328	factor:OEP A (auto calculate)	0	1.34E-06	0.	7.3834E-10	7.3834E-10	TONs	
Benzo[B]Fluoranthene	205992	factor:OEP A (auto calculate)	0	1E-04	0.	5.51E-08	5.51E-08	TONs	
Beryllium	7440417	factor:OEP A (auto calculate)	0	4.0656E-04	0.	2.24015E-07	2.24015E-07	TONs	
Cadmium	7440439	factor:OEP A (auto calculate)	0	4.0656E-04	0.	2.24015E-07	2.24015E-07	TONs	
Chromium	7440473	factor:OEP A (auto calculate)	0	4.0656E-04	0.	2.24015E-07	2.24015E-07	TONs	
Chrysene	218019	factor:OEP A (auto calculate)	0	1.07061E-05	0.	5.89906E-09	5.89906E-09	TONs	
Fluoranthene	206440	factor:OEP A (auto calculate)	0	4.4E-05	0.	2.4244E-08	2.4244E-08	TONs	
Fluorene	86737	factor:OEP A (auto calculate)	0	3.2E-05	0.	1.7632E-08	1.7632E-08	TONs	
Formaldehyde	50000	factor:OEP	0	27	0.	0.014877	0.014877	TONs	

		A (auto calculate)							
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	factor:OEPA (auto calculate)	0	1.5E-08	0.	8.265E-12	8.265E-12	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	factor:OEPA (auto calculate)	0	3.5E-09	0.	1.9285E-12	1.9285E-12	TONs	
Hexachlorodibenzo-P-Dioxin	34465468	factor:OEPA (auto calculate)	0	6.2E-09	0.	3.4162E-12	3.4162E-12	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	factor:OEPA (auto calculate)	0	6.9E-10	0.	3.8019E-13	3.8019E-13	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	factor:OEPA (auto calculate)	0	7.6E-10	0.	4.1876E-13	4.1876E-13	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	factor:OEPA (auto calculate)	0	1.76176E-08	0.	9.7073E-12	9.7073E-12	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	8.1312E-04	0.	4.48029E-07	4.48029E-07	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	4.0656E-04	0.	2.24015E-07	2.24015E-07	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	0.017	0.	9.367E-06	9.367E-06	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	0	4.0656E-04	0.	2.24015E-07	2.24015E-07	TONs	
Octachlorodibenzo-P-Dioxin	3268879	factor:OEPA (auto calculate)	0	1.6E-07	0.	8.816E-11	8.816E-11	TONs	
Octachlorodibenzofuran	39001020	factor:OEPA (auto calculate)	0	1.2E-08	0.	6.612E-12	6.612E-12	TONs	
Pentachlorodibenzofuran,	57117416	factor:OEPA (auto	0	8.1312E-09	0.	4.48029E-12	4.48029E-12	TONs	

1,2,3,7,8-		calculate)							
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	factor:OEPA (auto calculate)	0	1.3552E-08	0.	7.46715E-12	7.46715E-12	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	0.0049	0.	2.6999E-06	2.6999E-06	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	0.0033	0.	1.8183E-06	1.8183E-06	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	3.2E-05	0.	1.7632E-08	1.7632E-08	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	0.0020328	0.	1.12007E-06	1.12007E-06	TONs	
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	factor:OEPA (auto calculate)	0	8.53776E-08	0.	4.70431E-11	4.70431E-11	TONs	
Total Heptachlorodibenzo-P-Dioxin	37871004	factor:OEPA (auto calculate)	0	2E-08	0.	1.102E-11	1.102E-11	TONs	
Total Pentachlorodibenzofuran	30402154	factor:OEPA (auto calculate)	0	4.8E-10	0.	2.6448E-13	2.6448E-13	TONs	

Emission Unit Summary: B003

Oct 7 2011, 13:22:07

Emissions Unit ID: B003

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0.	0.155	0.155	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	0.0202111	0.0202111	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	1.367	1.367	TONs	
Organic Compounds	OC	X	0.	0.297248	0.297248	TONs	
Pb - Lead	7439921	X	0.	1.47E-05	1.47E-05	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.053	0.053	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.052	0.052	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.051246	0.051246	TONs	
VOC - Volatile Organic Compounds	VOC		0.	0.149197	0.149197	TONs	
Ammonia	NH3		0.	0.087	0.087	TONs	
CO - Carbon Monoxide	CO		0.	1.626	1.626	TONs	
Total of Chargable Pollutants					1.73747	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	5.45307E-07	5.45307E-07	TONs
Acenaphthylene	208968	0.	2.20917E-07	2.20917E-07	TONs
Acetaldehyde	75070	0.	5.64687E-04	5.64687E-04	TONs
Acrolein	107028	0.	4.86333E-04	4.86333E-04	TONs
Anthracene	120127	0.	2.09362E-07	2.09362E-07	TONs
Arsenic	7440382	0.	5.93656E-06	5.93656E-06	TONs

Benz[A]Anthracene	56553	0.	5.57638E-07	5.57638E-07	TONs
Benzene	71432	0.	5.9442E-05	5.9442E-05	TONs
Benzo[A]Pyrene	50328	0.	1.75283E-08	1.75283E-08	TONs
Benzo[B]Fluoranthene	205992	0.	1.22617E-07	1.22617E-07	TONs
Benzo[G,H,I,]Perylene	191242	0.	1.62111E-08	1.62111E-08	TONs
Benzo[K]Fluoranthene	207089	0.	2.43166E-08	2.43166E-08	TONs
Beryllium	7440417	0.	5.61759E-07	5.61759E-07	TONs
Cadmium	7440439	0.	3.012E-05	3.012E-05	TONs
Chromium	7440473	0.	3.82255E-05	3.82255E-05	TONs
Chrysene	218019	0.	3.48407E-08	3.48407E-08	TONs
Cobalt	7440484	0.	2.26955E-06	2.26955E-06	TONs
Dibenzo[A,H]Anthracene	53703	0.	1.62111E-08	1.62111E-08	TONs
Dimethylbenz[A]Anthracene, 7,12-	57976	0.	2.16148E-07	2.16148E-07	TONs
Fluoranthene	206440	0.	1.24308E-07	1.24308E-07	TONs
Fluorene	86737	0.	1.07108E-07	1.07108E-07	TONs
Formaldehyde	50000	0.	0.0285674	0.0285674	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0.	1.4745E-11	1.4745E-11	TONs
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0.	3.4405E-12	3.4405E-12	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0.	6.0946E-12	6.0946E-12	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	0.	6.7827E-13	6.7827E-13	TONs
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	0.	7.4708E-13	7.4708E-13	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0.	1.73181E-11	1.73181E-11	TONs
Hexane, N-	110543	0.	0.0486333	0.0486333	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	2.43166E-08	2.43166E-08	TONs
MN - Manganese	7439965	0.	1.10663E-05	1.10663E-05	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	7.42446E-06	7.42446E-06	TONs
Methylcholanthrene, 3-	56495	0.	2.43166E-08	2.43166E-08	TONs
Methylnaphthalene, 2-	91576	0.	6.48444E-07	6.48444E-07	TONs
Naphthalene	91203	0.	3.31923E-05	3.31923E-05	TONs
Nickel	7440020	0.	5.71384E-05	5.71384E-05	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	1.5728E-10	1.5728E-10	TONs

Octachlorodibenzofuran	39001020	0.	1.1796E-11	1.1796E-11	TONs
Pentachlorodibenzofuran, 1,2,3,7,8-	57117416	0.	7.99297E-12	7.99297E-12	TONs
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	0.	1.33216E-11	1.33216E-11	TONs
Phenanthrene	85018	0.	5.27601E-06	5.27601E-06	TONs
Polycyclic Organic Matter	246	0.	2.07789E-05	2.07789E-05	TONs
Pyrene	129000	0.	1.66549E-07	1.66549E-07	TONs
Selenium	7782492	0.	2.32246E-06	2.32246E-06	TONs
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	0.	8.39262E-11	8.39262E-11	TONs
Toluene	108883	0.	9.18629E-05	9.18629E-05	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	1.966E-11	1.966E-11	TONs
Total Pentachlorodibenzofuran	30402154	0.	4.7184E-13	4.7184E-13	TONs

- Processes

- Process & Emissions Detail

Name: B003-2

Source Classification Code (SCC): 1-02-006-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 50

Hours Per Year: 5737

Winter (Dec - Feb)%: 20

Spring (March-May)%: 16

Summer (June-Aug)%: 39

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Natural Gas	Burned	54.037	MILLION CUBIC FEET

Variable	Amount	Meaning
HCg	1,000	Gas Heat Content (Btu/Cubic Feet)

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.154	0.154	TONs	AP-42 Formula. Per AP-42 Table 1.4-2 (7/98) Condensible PM = 5.7 lb/mmcf. 5.7 lb/MMCF x 54.037 MMCF x (1 ton/2,000 lb) = 0.154 tons/yr
SO2 - Sulfur Dioxide	SO2	X	factor:OEPA (auto calculate)	0	0.6	0.	0.0162111	0.0162111	TONs	Autocalculate AP-42 Table 1.4-2 (7/98).
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			0	1.351	1.351	TONs	NOx emissions based on April 23, 2001 stack test report. NOx emissions 0.05 lb/mmBTU and heat content of natural gas is 1,000 BTU/cf 0.05 lb/mmBTU x 54,037,000 cf x 0.001 mmBTU/cf x (1 ton/2,000 lb) = 1.351 tons/yr
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.297	0.297	TONs	AP-42 Table 1.4-2 (7/98) Formula 11 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 0.297 tons/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	1.35E-05	1.35E-05	TONs	AP-42 Table 1.4-2 (7/98) Formula 0.0005 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 1.35E-05 ton/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.051	0.051	TONs	AP-42 Formula Per AP-42 Table 1.4-2 (7/98), Filterable PM = 1.9 lb/mmcf. 1.9 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 0.051 tons/yr
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.051	0.051	TONs	Per AP-42 Table 1.4-2 (7/98), filterable PM<10 microns = filterable PM
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	0.051	0.051	TONs	Per AP-42 Table 1.4-2 (7/98), filterable PM<2.5 microns = filterable PM
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.149	0.149	TONs	AP-42 Table 1.4-2 (7/98) Formula 5.5 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 0.149 tons/yr
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0.086	0.086	TONs	USEPA WebFIRE (12/05) emission factor of 3.2 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 0.086 tons/yr.
CO - Carbon	CO		emissions:			0	1.621	1.621	TONs	CO emissions based on manufacturer's guarantee and PTI

Monoxide			ENG. JUDGEMENT							#P0106715 limit of 0.06 lb/mmBTU. CO emission factor of 60 lb/mmcf based on CO emission limit of 0.06 lb/mmBTU and natural gas heat content of 1,000 BTU/cf. 60 lb/MMCF X 54.037 MMCF X (1 ton/2,000 lb) = 1.621 tons/yr
Total of Chargable Pollutants								1.71522	TONS	

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The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.0209	0.	5.64687E-04	5.64687E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.018	0.	4.86333E-04	4.86333E-04	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	1.2E-06	0.	3.24222E-08	3.24222E-08	TONs	
Arsenic	7440382	factor:OEPA (auto calculate)	0	2E-04	0.	5.4037E-06	5.4037E-06	TONs	
Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.0021	0.	5.67388E-05	5.67388E-05	TONs	

Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	6E-07	0.	1.62111E-08	1.62111E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	6E-07	0.	1.62111E-08	1.62111E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Beryllium	7440417	factor:OEPA (auto calculate)	0	6E-06	0.	1.62111E-07	1.62111E-07	TONs	
Cadmium	7440439	factor:OEPA (auto calculate)	0	0.0011	0.	2.97204E-05	2.97204E-05	TONs	
Chromium	7440473	factor:OEPA (auto calculate)	0	0.0014	0.	3.78259E-05	3.78259E-05	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Cobalt	7440484	factor:OEPA (auto calculate)	0	8.4E-05	0.	2.26955E-06	2.26955E-06	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	6E-07	0.	1.62111E-08	1.62111E-08	TONs	
Dimethylbenz[A]Anthracene, 7,12-	57976	factor:OEPA (auto calculate)	0	8E-06	0.	2.16148E-07	2.16148E-07	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	3E-06	0.	8.10555E-08	8.10555E-08	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	2.8E-06	0.	7.56518E-08	7.56518E-08	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.075	0.	0.00202639	0.00202639	TONs	

Hexane, N-	110543	factor:OEPA (auto calculate)	0	1.8	0.	0.0486333	0.0486333	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	3.8E-04	0.	1.0267E-05	1.0267E-05	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	2.6E-04	0.	7.02481E-06	7.02481E-06	TONs	
Methylcholanthrene, 3-	56495	factor:OEPA (auto calculate)	0	9E-07	0.	2.43166E-08	2.43166E-08	TONs	
Methylnaphthalene, 2-	91576	factor:OEPA (auto calculate)	0	2.4E-05	0.	6.48444E-07	6.48444E-07	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	6.1E-04	0.	1.64813E-05	1.64813E-05	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	0	0.0021	0.	5.67388E-05	5.67388E-05	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	1.7E-05	0.	4.59314E-07	4.59314E-07	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	6.49E-04	0.	1.7535E-05	1.7535E-05	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	5E-06	0.	1.35093E-07	1.35093E-07	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	1.2E-05	0.	3.24222E-07	3.24222E-07	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0034	0.	9.18629E-05	9.18629E-05	TONs	

- Process & Emissions Detail

Name: B003-1

Source Classification Code (SCC): 1-02-005-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 50

Hours Per Year: 5737

Winter (Dec - Feb)%: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 32

Fall (Sept-Nov)%: 68

Material	Material Action	Throughput	X Units
Distillate Oil	Burned	1.966	1000 GALLONS

Variable	Amount	Meaning
HCl	135,520	Liquid Heat Content (Btu/gallons)
S	0.029	% Sulfur content by weight

- Process Emissions

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	AP-42 Formula. 1.3 lb/1,000 gallons x 1,966 gallons x (1 ton/2,000 lb) = 0.001 tons/yr. Condensible PM (1.3 lb/1,000 gal) per AP-42 Table 1.3-2 (5/10).
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.004	0.004	TONs	AP-42 Table 1.3-1 (5/10) Formula (142 X 0.029% sulfur) lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 0.004 tons/yr
NOx - Nitrogen Oxides	NOX	X	emissions: STACK TEST			0	0.016	0.016	TONs	NOx emissions based on April 23, 2001 stack test report. NOx emissions 0.12 lb/mmBTU and heat content of #2 fuel oil was 135,520 BTU/gal in 2010. 0.12 lb/mmBTU x 1,966 gallons x 0.13552 mmBTU/gallon x (1 ton/2,000 lb) = 0.016 tons/yr

Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	2.48E-04	2.48E-04	TONs	AP-42 Table 1.3-3 (5/10) Formula 0.252 lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 2.48E-04 tons/yr
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	1.20E-06	1.2E-06	TONs	AP-42 Table 1.3-10 (5/10) Formula 9 lb/10E12 BTU X 1,966 gallons X 135,520 BTU/gallon X (1 ton/2,000 lb) = 1.20E-06 ton/yr
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.002	0.002	TONs	AP-42 Formula 2 lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 0.002 tons/yr. Filterable PM (2 lb/1,000 gal) per AP-42 Table 1.3-1 (5/10).
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	AP-42 Formula 1 lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 0.001 tons/yr. Filterable PM10 (1 lb/1,000 gal) per AP-42 Table 1.3-6 (5/10).
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT			0	2.46E-04	2.46E-04	TONs	AP-42 Formula 0.25 lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 2.46E-04 tons/yr. Filterable PM2.5 (0.25 lb/1,000 gal) per AP-42 Table 1.3-6 (5/10).
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	1.97E-04	1.97E-04	TONs	AP-42 Table 1.3-3 (5/10) Formula 0.2 lb/1,000 gallons x 1,966 gallons x (1 ton/2,000 lb) = 1.97E-04 tons/yr
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0.001	0.001	TONs	USEPA WebFIRE (12/05) emission factor of 0.8 lb/1,000 gallons X 1,966 gallons X (1 ton/2,000 lb) = 0.001 tons/yr.
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0.005	0.005	TONs	Autocalculate AP-42 Table 1.3-1 (5/10) Formula 5 lb/1,000 gallons x 1,966 gallons x 1 (ton/2,000 lb) = 0.005 tons/yr
Total of Chargable Pollutants								0.0222492	TONS	

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The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEP	0	5.3E-04	0.	5.2099E-07	5.2099E-07	TONs	

		A (auto calculate)							
Acenaphthylene	208968	factor:OEP A (auto calculate)	0	2E-04	0.	1.966E-07	1.966E-07	TONs	
Anthracene	120127	factor:OEP A (auto calculate)	0	1.8E-04	0.	1.7694E-07	1.7694E-07	TONs	
Arsenic	7440382	factor:OEP A (auto calculate)	0	5.4208E-04	0.	5.32865E-07	5.32865E-07	TONs	
Benz[A]Anthracene	56553	factor:OEP A (auto calculate)	0	5.42544E-04	0.	5.33321E-07	5.33321E-07	TONs	
Benzene	71432	factor:OEP A (auto calculate)	0	0.00275	0.	2.70325E-06	2.70325E-06	TONs	
Benzo[A]Pyrene	50328	factor:OEP A (auto calculate)	0	1.34E-06	0.	1.31722E-09	1.31722E-09	TONs	
Benzo[B]Fluoranthene	205992	factor:OEP A (auto calculate)	0	1E-04	0.	9.83E-08	9.83E-08	TONs	
Beryllium	7440417	factor:OEP A (auto calculate)	0	4.0656E-04	0.	3.99648E-07	3.99648E-07	TONs	
Cadmium	7440439	factor:OEP A (auto calculate)	0	4.0656E-04	0.	3.99648E-07	3.99648E-07	TONs	
Chromium	7440473	factor:OEP A (auto calculate)	0	4.0656E-04	0.	3.99648E-07	3.99648E-07	TONs	
Chrysene	218019	factor:OEP A (auto calculate)	0	1.07061E-05	0.	1.05241E-08	1.05241E-08	TONs	
Fluoranthene	206440	factor:OEP A (auto calculate)	0	4.4E-05	0.	4.3252E-08	4.3252E-08	TONs	
Fluorene	86737	factor:OEP A (auto calculate)	0	3.2E-05	0.	3.1456E-08	3.1456E-08	TONs	
Formaldehyde	50000	factor:OEP	0	27	0.	0.026541	0.026541	TONs	

		A (auto calculate)							
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	factor:OEPA (auto calculate)	0	1.5E-08	0.	1.4745E-11	1.4745E-11	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	factor:OEPA (auto calculate)	0	3.5E-09	0.	3.4405E-12	3.4405E-12	TONs	
Hexachlorodibenzo-P-Dioxin	34465468	factor:OEPA (auto calculate)	0	6.2E-09	0.	6.0946E-12	6.0946E-12	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,4,7,8-	39227286	factor:OEPA (auto calculate)	0	6.9E-10	0.	6.7827E-13	6.7827E-13	TONs	
Hexachlorodibenzo-P-Dioxin, 1,2,3,7,8,9-	19408743	factor:OEPA (auto calculate)	0	7.6E-10	0.	7.4708E-13	7.4708E-13	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	factor:OEPA (auto calculate)	0	1.76176E-08	0.	1.73181E-11	1.73181E-11	TONs	
MN - Manganese	7439965	factor:OEPA (auto calculate)	0	8.1312E-04	0.	7.99297E-07	7.99297E-07	TONs	
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	4.0656E-04	0.	3.99648E-07	3.99648E-07	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	0.017	0.	1.6711E-05	1.6711E-05	TONs	
Nickel	7440020	factor:OEPA (auto calculate)	0	4.0656E-04	0.	3.99648E-07	3.99648E-07	TONs	
Octachlorodibenzo-P-Dioxin	3268879	factor:OEPA (auto calculate)	0	1.6E-07	0.	1.5728E-10	1.5728E-10	TONs	
Octachlorodibenzofuran	39001020	factor:OEPA (auto calculate)	0	1.2E-08	0.	1.1796E-11	1.1796E-11	TONs	
Pentachlorodibenzofuran,	57117416	factor:OEPA (auto	0	8.1312E-09	0.	7.99297E-12	7.99297E-12	TONs	

1,2,3,7,8-		calculate)							
Pentachlorodibenzofuran, 2,3,4,7,8-	57117314	factor:OEPA (auto calculate)	0	1.3552E-08	0.	1.33216E-11	1.33216E-11	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	0.0049	0.	4.8167E-06	4.8167E-06	TONs	
Polycyclic Organic Matter	246	factor:OEPA (auto calculate)	0	0.0033	0.	3.2439E-06	3.2439E-06	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	3.2E-05	0.	3.1456E-08	3.1456E-08	TONs	
Selenium	7782492	factor:OEPA (auto calculate)	0	0.0020328	0.	1.99824E-06	1.99824E-06	TONs	
Tetrachlorodibenzofuran, 2,3,7,8-	51207319	factor:OEPA (auto calculate)	0	8.53776E-08	0.	8.39262E-11	8.39262E-11	TONs	
Total Heptachlorodibenzo-P-Dioxin	37871004	factor:OEPA (auto calculate)	0	2E-08	0.	1.966E-11	1.966E-11	TONs	
Total Pentachlorodibenzofuran	30402154	factor:OEPA (auto calculate)	0	4.8E-10	0.	4.7184E-13	4.7184E-13	TONs	

Emission Unit Summary: P001

Oct 7 2011, 13:22:07

Emissions Unit ID: P001

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.59	0.59	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.59	0.59	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					0.59	TONS	

- Processes

- Process & Emissions Detail

Name: P001-1

Source Classification Code (SCC): 3-02-040-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret Reason: Operating Schedule and Annual Throughput: Disclosure of this information to the public would grant competitors an unfair advantage by allowing competitors to determine the processes employed by General Mills Cereals Properties, LLC. in the manufacture of products. General Mills maintains this information as a confidential trade secret at all times. Pursuant to the Ohio Revised Code 3704.08, General Mills requests that this information be given trade secret protection and that the information not be made part of the public record.

Hours Per Day: XX

Winter (Dec - Feb)%: 7

Days Per Week: X

Weeks Per Year: XX

Hours Per Year: XXXX

Spring (March-May)%: 17

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 36

Material	Material Action	Throughput	X Units
Cereal	Conveyed	XXXXX	TONs

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.59	0.59	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.59	0.59	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM2.5 (FILT) - Primary PM2.5, Filterable	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	XXXXXXXXXXXXXXXXXXXXXX

Portion Only										
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								0.59	TONS	

Emission Unit Summary: P002

Oct 7 2011, 13:22:07

Emissions Unit ID: P002

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	2.62	2.62	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	2.62	2.62	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					2.62	TONS	

- Processes

- Process & Emissions Detail

Name: P002-1

Source Classification Code (SCC): 3-02-040-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret Reason: Operating Schedule and Annual Throughput: Disclosure of this information to the public would grant competitors an unfair advantage by allowing competitors to determine the processes employed by General Mills Cereals Properties, LLC. in the manufacture of products. General Mills maintains this information as a confidential trade secret at all times. Pursuant to the Ohio Revised Code 3704.08, General Mills requests that this information be given trade secret protection and that the information not be made part of the public record.

Hours Per Day: XX

Winter (Dec - Feb)%: 7

Days Per Week: X

Weeks Per Year: XX

Hours Per Year: XXXX

Spring (March-May)%: 17

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 36

Material	Material Action	Throughput	X Units
Cereal	Conveyed	XXXXX	TONs

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	2.62	2.62	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	2.62	2.62	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM2.5 (FILT) - Primary PM2.5, Filterable	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	XXXXXXXXXXXXXXXXXXXXXX

Portion Only										
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								2.62	TONS	

Emission Unit Summary: P029

Oct 7 2011, 13:22:07

Emissions Unit ID: P029

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	3.70	3.7	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	3.70	3.7	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					3.7	TONS	

- Processes

- Process & Emissions Detail

Name: P029-1

Source Classification Code (SCC): 3-02-040-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret Reason: Operating Schedule and Annual Throughput: Disclosure of this information to the public would grant competitors an unfair advantage by allowing competitors to determine the processes employed by General Mills Cereals Properties, LLC. in the manufacture of products. General Mills maintains this information as a confidential trade secret at all times. Pursuant to the Ohio Revised Code 3704.08, General Mills requests that this information be given trade secret protection and that the information not be made part of the public record.

Hours Per Day: XX

Winter (Dec - Feb)%: 10

Days Per Week: X

Weeks Per Year: XX

Hours Per Year: XXXX

Spring (March-May)%: 11

Summer (June-Aug)%: 37

Fall (Sept-Nov)%: 42

Material	Material Action	Throughput	X Units
Cereal	Conveyed	XXXXX	TONs

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	3.70	3.7	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	3.70	3.7	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM2.5 (FILT) - Primary PM2.5, Filterable	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	XXXXXXXXXXXXXXXXXXXXXX

Portion Only										
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								3.7	TONS	

Emission Unit Summary: P034

Oct 7 2011, 13:22:07

Emissions Unit ID: P034

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	1.64	1.64	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	1.64	1.64	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					1.64	TONS	

- Processes

- Process & Emissions Detail

Name: P034-1

Source Classification Code (SCC): 3-02-040-03

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret Reason: Operating Schedule and Annual Throughput: Disclosure of this information to the public would grant competitors an unfair advantage by allowing competitors to determine the processes employed by General Mills Cereals Properties, LLC. in the manufacture of products. General Mills maintains this information as a confidential trade secret at all times. Pursuant to the Ohio Revised Code 3704.08, General Mills requests that this information be given trade secret protection and that the information not be made part of the public record.

Hours Per Day: XX

Winter (Dec - Feb)%: 24

Days Per Week: X

Weeks Per Year: XX

Hours Per Year: XXXX

Spring (March-May)%: 26

Summer (June-Aug)%: 28

Fall (Sept-Nov)%: 22

Material	Material Action	Throughput	X Units
Cereal	Packaged	XXXXX	TONs

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	1.64	1.64	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	1.64	1.64	TONs	XXXXXXXXXXXXXXXXXXXXXX
PM2.5 (FILT) - Primary PM2.5, Filterable	PM25-FIL		emissions: ENG. JUDGEMENT			0	0	0.	TONs	XXXXXXXXXXXXXXXXXXXXXX

Portion Only										
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								1.64	TONS	

Emission Unit Summary: P044

Oct 7 2011, 13:22:07

Emissions Unit ID: P044

Detailed Reporting

DAPC Description:

- Unit Emissions

Pollutant	Code	$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		0	0.00E+00	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0.072	0.072	TONs	
NOx - Nitrogen Oxides	NOX	X	0	1.095	1.095	TONs	
Organic Compounds	OC	X	0	0.089	0.089	TONs	
Pb - Lead	7439921	X	0	0.00E+00	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.077	0.077	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.077	0.077	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.077	0.077	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.089	0.089	TONs	
Ammonia	NH3		0	0.00E+00	0.	TONs	
CO - Carbon Monoxide	CO		0	0.236	0.236	TONs	
Total of Chargable Pollutants					1.333	TONS	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Acenaphthene	83329	0.	1.76274E-07	1.76274E-07	TONs
Acenaphthylene	208968	0.	6.28131E-07	6.28131E-07	TONs
Acetaldehyde	75070	0.	1.90425E-04	1.90425E-04	TONs
Acrolein	107028	0.	1.14826E-05	1.14826E-05	TONs
Anthracene	120127	0.	4.64269E-07	4.64269E-07	TONs
Benz[A]Anthracene	56553	0.	4.17099E-07	4.17099E-07	TONs

Benzene	71432	0.	2.31638E-04	2.31638E-04	TONs
Benzo[A]Pyrene	50328	0.	2.33377E-08	2.33377E-08	TONs
Benzo[B]Fluoranthene	205992	0.	1.23019E-08	1.23019E-08	TONs
Benzo[G,H,I,]Perylene	191242	0.	6.07026E-08	6.07026E-08	TONs
Benzo[K]Fluoranthene	207089	0.	1.92411E-08	1.92411E-08	TONs
Butadiene, 1,3-	106990	0.	4.85374E-06	4.85374E-06	TONs
Chrysene	218019	0.	8.76403E-08	8.76403E-08	TONs
Dibenzo[A,H]Anthracene	53703	0.	7.23715E-08	7.23715E-08	TONs
Ethyl Benzene	100414	0.	5.62424E-06	5.62424E-06	TONs
Fluoranthene	206440	0.	1.88936E-06	1.88936E-06	TONs
Fluorene	86737	0.	7.24955E-06	7.24955E-06	TONs
Formaldehyde	50000	0.	2.92962E-04	2.92962E-04	TONs
Indeno[1,2,3-C,D]Pyrene	193395	0.	4.65511E-08	4.65511E-08	TONs
Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	0.	7.48293E-08	7.48293E-08	TONs
Naphthalene	91203	0.	2.10535E-05	2.10535E-05	TONs
PAH, 16-	40	0.	4.17099E-05	4.17099E-05	TONs
Phenanthrene	85018	0.	7.29922E-06	7.29922E-06	TONs
Pyrene	129000	0.	1.18674E-06	1.18674E-06	TONs
Toluene	108883	0.	1.01544E-04	1.01544E-04	TONs
Xylenes (Isomers and Mixture)	1330207	0.	7.07577E-05	7.07577E-05	TONs

- Processes

- Process & Emissions Detail

Name: P044-1

Source Classification Code (SCC): 2-02-001-02

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 17

Days Per Week: 3

Weeks Per Year: 19

Winter (Dec - Feb)%: 0

Spring (March-May)%: 0

Summer (June-Aug)%: 74

Material	Material Action	Throughput	X Units
Distillate Oil (Diesel)	Burned	3.664	1000 GALLONS

Variable	Amount	Meaning
HCl	135,520	Liquid Heat Content (Btu/gallons)

- **Process Emissions**

Pollutant	Code	$	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensible Portion Only (All Less than 1 Micron)	PM-CON		emissions: ENG. JUDGEMENT			0	0.00E+00	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	emissions: ENG. JUDGEMENT			0	0.072	0.072	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1 10/96) emission factor of 0.29 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal.
NOx - Nitrogen Oxides	NOX	X	emissions: ENG. JUDGEMENT			0	1.095	1.095	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 4.41 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal.
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT			0	0.089	0.089	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.36 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0.00E+00	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT			0	0.077	0.077	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.31 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT			0	0.077	0.077	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.31 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal. Per AP-42, all particulate matter is PM-10.
PM2.5 (FILT) - Primary PM2.5,	PM25-FIL		emissions: ENG.			0	0.077	0.077	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.31 lb/mm BTU for diesel IC engines and

Filterable Portion Only			JUDGEMENT							average diesel fuel heat content of 135,520 Btu/gal. Per AP-42, all particulate matter is PM-2.5.
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT			0	0.089	0.089	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.36 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal. No emission factor data were available for VOCs. Therefore, VOC emissions are conservatively assumed to be equal to total OC emissions.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0.00E+00	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0.236	0.236	TONs	Emissions based on AP-42 (Section 3.3, Table 3.3-1, 10/96) emission factor of 0.95 lb/mm BTU for diesel IC engines and average diesel fuel heat content of 135,520 Btu/gal.
Total of Chargable Pollutants								1.333	TONS	

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The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Acenaphthene	83329	factor:OEPA (auto calculate)	0	9.62192E-05	0.	1.76274E-07	1.76274E-07	TONs	
Acenaphthylene	208968	factor:OEPA (auto calculate)	0	3.42866E-04	0.	6.28131E-07	6.28131E-07	TONs	
Acetaldehyde	75070	factor:OEPA (auto calculate)	0	0.103944	0.	1.90425E-04	1.90425E-04	TONs	
Acrolein	107028	factor:OEPA (auto calculate)	0	0.0062678	0.	1.14826E-05	1.14826E-05	TONs	
Anthracene	120127	factor:OEPA (auto calculate)	0	2.53422E-04	0.	4.64269E-07	4.64269E-07	TONs	

Benz[A]Anthracene	56553	factor:OEPA (auto calculate)	0	2.27674E-04	0.	4.17099E-07	4.17099E-07	TONs	
Benzene	71432	factor:OEPA (auto calculate)	0	0.12644	0.	2.31638E-04	2.31638E-04	TONs	
Benzo[A]Pyrene	50328	factor:OEPA (auto calculate)	0	1.27389E-05	0.	2.33377E-08	2.33377E-08	TONs	
Benzo[B]Fluoranthene	205992	factor:OEPA (auto calculate)	0	6.71502E-06	0.	1.23019E-08	1.23019E-08	TONs	
Benzo[G,H,I,]Perylene	191242	factor:OEPA (auto calculate)	0	3.31346E-05	0.	6.07026E-08	6.07026E-08	TONs	
Benzo[K]Fluoranthene	207089	factor:OEPA (auto calculate)	0	1.05028E-05	0.	1.92411E-08	1.92411E-08	TONs	
Butadiene, 1,3-	106990	factor:OEPA (auto calculate)	0	0.00264942	0.	4.85374E-06	4.85374E-06	TONs	
Chrysene	218019	factor:OEPA (auto calculate)	0	4.78386E-05	0.	8.76403E-08	8.76403E-08	TONs	
Dibenzo[A,H]Anthracene	53703	factor:OEPA (auto calculate)	0	3.95041E-05	0.	7.23715E-08	7.23715E-08	TONs	
Ethyl Benzene	100414	factor:OEPA (auto calculate)	0	0.00307	0.	5.62424E-06	5.62424E-06	TONs	
Fluoranthene	206440	factor:OEPA (auto calculate)	0	0.00103131	0.	1.88936E-06	1.88936E-06	TONs	
Fluorene	86737	factor:OEPA (auto calculate)	0	0.00395718	0.	7.24955E-06	7.24955E-06	TONs	
Formaldehyde	50000	factor:OEPA (auto calculate)	0	0.159914	0.	2.92962E-04	2.92962E-04	TONs	
Indeno[1,2,3-C,D]Pyrene	193395	factor:OEPA (auto calculate)	0	2.541E-05	0.	4.65511E-08	4.65511E-08	TONs	

Mercury, as HG; Alkyl & Aryl CMPNDS; Elemental & Inorganic Forms	7439976	factor:OEPA (auto calculate)	0	4.08457E-05	0.	7.48293E-08	7.48293E-08	TONs	
Naphthalene	91203	factor:OEPA (auto calculate)	0	0.0114921	0.	2.10535E-05	2.10535E-05	TONs	
PAH, 16-	40	factor:OEPA (auto calculate)	0	0.0227674	0.	4.17099E-05	4.17099E-05	TONs	
Phenanthrene	85018	factor:OEPA (auto calculate)	0	0.00398429	0.	7.29922E-06	7.29922E-06	TONs	
Pyrene	129000	factor:OEPA (auto calculate)	0	6.47786E-04	0.	1.18674E-06	1.18674E-06	TONs	
Toluene	108883	factor:OEPA (auto calculate)	0	0.0554277	0.	1.01544E-04	1.01544E-04	TONs	
Xylenes (Isomers and Mixture)	1330207	factor:OEPA (auto calculate)	0	0.0386232	0.	7.07577E-05	7.07577E-05	TONs	