

## STATEMENT OF BASIS

For the issuance of Air Permit # 0075-AOP-R13 AFIN: 41-00001

1. PERMITTING AUTHORITY:

Arkansas Department of Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118-5317

2. APPLICANT:

Ash Grove Cement Company  
4343 Highway 108  
Foreman, Arkansas 71836

3. PERMIT WRITER:

Joseph Hurt

4. PROCESS DESCRIPTION AND NAICS CODE:

NAICS Description: Cement Manufacturing  
NAICS Code: 3273100

5. SUBMITTALS:

7/18/2011

6. REVIEWER'S NOTES:

Ash Grove Cement Company (AFIN: 41-00001) operates a portland cement plant located at 4457 Hwy 108 West in Foreman, Arkansas 71836. As part of the permit modification, Ash Grove is proposing the following permit changes.

1. Removing sources that are no longer in service or not installed;
2. Adding transfer points and enclosed transfer points;
3. Modifying the clinker reclaim system and rail silo dust collector;
4. Revising emission estimates for Finishing Mill # 4;
5. Placing of the iron-containing raw material into an outside pile;
6. Renaming of source 511.BF1 to 513.BF1;
7. Correcting the stack height for source 523.BF2;
8. Adding operational flexibility to operate both dust collectors on the 500 ton CKD bins;
9. Revising Specific Condition 55 to incorporate changes previously approved;

- 10. Updating the haul road emissions;
- 11. Removing the Temporary Three Kiln Scenario; and
- 12. Remove sources 449.T2 and 449.T3.

The total permitted emission increases include 41.3 tpy of PM, 1.7 tpy of PM<sub>10</sub>. The total permitted emission decreases include 0.1 tpy of SO<sub>2</sub>, 1.8 tpy of VOC, 10.1 tpy of CO, 3.1 tpy of NO<sub>x</sub>, 4.9 tpy of Hexachlorobenzene, 4.9 tpy of Acrylamide, and 4.9 tpy of Bis(chloromethyl)ether.

7. COMPLIANCE STATUS:

The following summarizes the current compliance of the facility including active/pending enforcement actions and recent compliance activities and issues.

The last inspection was performed on February 2, 2010, and the facility was determined to be in compliance. There are no known current or pending issues.

8. PSD APPLICABILITY:

- a. Did the facility undergo PSD review in this permit (i.e., BACT, Modeling, etc.)? N
- b. Is the facility categorized as a major source for PSD? Y  
*Single pollutant ≥ 100 tpy and on the list of 28 or single pollutant ≥ 250 tpy and not on list?*

If yes, explain why this permit modification not PSD?

The 41.3 tpy of PM emission increase is due to updated haul road emissions. Had the facility been able to properly identify the future haul road emissions with the 2006 PSD Application, the net emission change would have been below the significant emission increase level that would trigger PSD review for PM or PM<sub>10</sub>.

9. SOURCE AND POLLUTANT SPECIFIC REGULATORY APPLICABILITY:

Source	Pollutant	Regulation (NSPS, NESHAP or PSD)
41A.T10 44A.T10, 326.CH26, 403.CHM, 403.CHR, 403.CHU, 403.T1, 403.T2, 431.LS12, 443.CH46, 449.CH30, 449.CH31, 449.CH32, 449.CH33, 449.CH42, 449.HP2, 449.T1, 449.T4, 533.LS10, 534.CH12, 502.T1, 502.T2, 514.BF1, 514.BF2, 514.BF3, 524.BF1, 524.BF2, 611.BF1, 611.BF10, 611.BF20, 611.BF30, 611.BF40, 403.BF3, 403.BF4, 403.BF6, 403.BF7, 403.BF8, 612.BF1, 612.BF2, 612.BF3, 612.BF4, 612.BF5, 621.BF1, 621.BF2, 621.BF3, 621.BF5, 621.BF6(E), 621.BF7(W), 621.BF8, 449.BF20, 449.BF30, 449.BF40, 449.BF50, 513.BF1, 521.BF1, 521.BF2, 523.BF2, 531.BF10, 531.BF20, 533.BF10, 44C.BF10, 502.BF1, 502.BF2, 449.BF10, 327.BF30, 442.BF10, M9	PM <sub>10</sub>	NESHAP Subpart LLL
41A.BF10, 41A.BF20, 41A.T2, 41A.T10, 44A.T10, 44A.BF10, 44B.BF10	PM <sub>10</sub>	NSPS Subpart Y
41A.BF10, 41A.BF20, 44A.BF10, 213.BF10, 213.BF20, 213.T2, 213.T3, 221.BF10, 323.BF10, 325.BF10, 325.BF20, 325.BF30, 41A.T1, 111.T10, 111.T12, 213.T1, 221.CH01, 221.RMB1, 221.T1, 321.CH01, 323.T1	PM <sub>10</sub>	NSPS Subpart OOO
41F.FT10, 40F.FT3, 40F.FT4, 40F.FT5, 40F.FT6, 40F.FT7, 40F.FT8, 40F.FT9, 40F.FTA	VOC	NSPS Subpart Kb
41F.BF10, 41F.FT10, 41F.TK10, 40F.FT3, 40F.FT4, 40F.FT5, 40F.FT6, 40F.FT7, 40F.FT8, 40F.FT9, 40F.FTA, 40F.TX1, 41F.BF10, 41F.FT10, 41F.TK10, 40F.FT3, 40F.FT4, 40F.FT5, 40F.FT6, 40F.FT7, 40F.FT8, 40F.FT9, 40F.FTA, 40F.TX1, RCC	Benzene Waste Operations	40 CFR Part 61, Subpart FF 40 CFR 63, Subpart DD
443.BF10, 443.BF30, 443.SK10	All	NESHAP Subpart EEE

Source	Pollutant	Regulation (NSPS, NESHAP or PSD)
710-EG10	Varies	NSPS Subpart III

10. EMISSION CHANGES AND FEE CALCULATION:

See emission change and fee calculation spreadsheet in Appendix A.

11. MODELING:

Criteria Pollutants

Examination of the source type, location, plot plan, land use, emission parameters, and other available information indicate that modeling is not warranted at this time.

Pollutant	Emission Rate (lb/hr)	NAAQS Standard ( $\mu\text{g}/\text{m}^3$ )	Averaging Time	Highest Concentration ( $\mu\text{g}/\text{m}^3$ )	% of NAAQS
PM <sub>10</sub>	89.4	150	24-Hour	145.5462 <sup>b</sup>	97%
SO <sub>2</sub>	618.1	80	Annual	23.6 <sup>a</sup>	30%
		1300	3-Hour	882.6 <sup>a</sup>	68%
		365	24-Hour	268.6 <sup>a</sup>	74%
CO	2,503.3	10,000	8-Hour	1169.0 <sup>a</sup>	12%
		40,000	1-Hour	4366.8 <sup>a</sup>	11%
NO <sub>x</sub>	685.6	100	Annual	51.1 <sup>a</sup>	51%

a. These modeling results were obtained through detailed modeling performed by the facility in Permit # 0075-AOP-R7. There were no increases in emissions from these pollutants.

b. Modeled result of 97.5462  $\mu\text{g}/\text{m}^3$  plus background of 48  $\mu\text{g}/\text{m}^3$  (Little Rock 2007).

Non-Criteria Pollutants:

This facility is subject to 40 CFR 63, Subpart EEE. This subpart requires a risk assessment to be performed and no threat to the public health or safety was found.

12. CALCULATIONS:

SN	Emission Factor Source	Emission Factor	Control Equipment	Control Equipment Efficiency	Comments
Kiln	Testing	Various	ESP	99%	
Fabric filters	Various	0.01 gr/dscf		95%	
Combustion sources	AP-42	Various			Based on equation in AP-42
Crushers	AP-42	Various			based on equation in AP-42
Roads	AP-42	Various			based on equation in AP-42
Storage piles	AP-42	Various			based on equation in AP-42

13. TESTING REQUIREMENTS:

The permit requires testing of the following sources.

SN	Pollutants	Test Method	Test Interval	Justification
443.SK10	All	See NESHAP EEE		
611.BF1	PM <sub>10</sub>	5 or 201A	Within 60 days of achieving maximum production	§19.702(E)(1)
HR07 - HR09, HR15, HR17 - HR22, 111.R1A-F	Silt content of roads to verify PM <sub>10</sub>	Appendix C.1 and C.2 of AP-42	Within 60 days of issuance of Permit 0075-AOP-R13, and quarterly thereafter until each road segment has been tested twice.	§26.703(A)
HR01 - HR06, HR12 - HR14, HR16, HR23	Road surface silt loading to verify PM <sub>10</sub>			

14. MONITORING OR CEMS

The permittee must monitor the following parameters with CEMS or other monitoring equipment (temperature, pressure differential, etc.)

SN	Parameter or Pollutant to be Monitored	Method (CEM, Pressure Gauge, etc.)	Frequency	Report (Y/N)
443.SK10	CO	CEM	Continuously	Y
	VOC	THC Analyzer (CEM)	Continuously	Y
40F.TX1 & 41F.TX10	Combustion chamber temperature	Continuous temperature recorder	Continuously	N

15. RECORDKEEPING REQUIREMENTS:

The following are items (such as throughput, fuel usage, VOC content, etc.) that must be tracked and recorded.

SN	Recorded Item	Permit Limit	Frequency	Report (Y/N)
443.SK10 & Plantwide	Clinker production	5,300 tons/day	Daily	Y
403.P1	Pile area	20 acres	Annually	Y
449.P1	Pile area	4 acres	Annually	Y
41.AP1, 41.AP2, & 41.AP3	Pile area	0.92 acres (total)	Annually	Y
41A.P5	Pile area	1.03 acres	Annually	Y
41A.P6	Pile area	0.52 acres	Annually	Y
41A.P7	Pile area	0.09 acres	Annually	Y
221.RMB1	Pile area	4.93 acres	Annually	Y
40F.TX1	Combustion chamber temperature	≥ 1500°F	Continuously	N
	Breakthrough indicators	Log of observations	Good engineering judgment	N

## 16. OPACITY:

SN	Opacity	Justification for limit	Compliance Mechanism
443.BF10, 443.BF30, & 443.SK10	20	NESHAP Subpart EEE	Weekly observation
41A.T10 44A.T10, 326.CH26, 403.CHM, 403.CHR, 403.CHU, 403.T1, 403.T2, 431.LS12, 443.CH46, 449.CH30, 449.CH31, 449.CH32, 449.CH33, 449.CH42, 449.HP2, 449.T1, 449.T4, 533.LS10, 534.CH12, 502.T1, 502.T2, 514.BF1, 514.BF2, 514.BF3, 524.BF1, 524.BF2, 611.BF1, 611.BF10, 611.BF20, 611.BF30, 611.BF40, 403.BF3, 403.BF4, 403.BF6, 403.BF7, 403.BF8, 612.BF1, 612.BF2, 612.BF3, 612.BF4, 612.BF5, 621.BF1, 621.BF2, 621.BF3, 621.BF5, 621.BF6(E), 621.BF7(W), 621.BF8, 449.BF20, 449.BF30, 449.BF40, 449.BF50, 513.BF1, 521.BF1, 521.BF2, 523.BF2, 531.BF10, 531.BF20, 533.BF10, 44C.BF10, 502.BF1, 502.BF2, 449.BF10, 327.BF30, 442.BF10	10	NESHAP Subpart LLL	Weekly observation
40F.TX1	10	Department Guidance	Natural gas only
41A.BF10, 41A.BF20, 41A.T2, 41A.T10, 44A.T10, 44A.BF10, 44B.BF10	10	NSPS Subpart Y	Weekly observation
41A.BF10, 41A.BF20, 44A.BF10, 213.BF10, 213.BF20, 213.T2, 213.T3, 221.BF10, 323.BF10, 325.BF10, 325.BF20, 325.BF30, 41A.T1, 111.T10, 111.T12, 213.T1, 221.CH01, 221.RMB1, 221.T1, 321.CH01, 323.T1	Various	NSPS Subpart OOO	Weekly observation
403.P1, 449.P1, 41A.P1, 41A.P2, 41A.P3, 41A.P5,	20	Department Guidance	Weekly observation

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SN	Opacity	Justification for limit	Compliance Mechanism
41A.P6, 41A.P7, 211.BF1, 311.BF1, 311.CH10, 311.CH11, 311, CH15, 311.CH16			
311.CH1, 311.CHC	40	Department Guidance	Weekly observation

17. DELETED CONDITIONS:

Former SC	Justification for removal
	The Temporary Three Kiln Operating Scenario has been removed, along with all associated conditions because Ash Grove is now operating under the Pyroprocess Operating Scenario.

18. GROUP A INSIGNIFICANT ACTIVITIES

Source Name	Group A Category	Emissions (tpy)						
		PM/PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs	
							Single	Total
No Insignificant Activities were added with this modification.								


19. VOIDED, SUPERSEDED, OR SUBSUMED PERMITS:

List all active permits voided/superseded/subsumed by the issuance of this permit.

Permit #
0075-AOP-R12

20. CONCURRENCE BY:

The following supervisor concurs with the permitting decision.

  
\_\_\_\_\_  
Karen Cerney, P.E.



APPENDIX A – EMISSION CHANGES AND FEE CALCULATION

## Fee Calculation for Major Source

Revised 08-30-11

Facility Name: Ash Grove Cement Company  
 Permit Number: 0075-AOP-R13  
 AFIN: 41-00001

\$/ton factor	22.65	Annual Chargeable Emissions (tpy)	6522.5
Permit Type	Modification	Permit Fee \$	1000

Minor Modification Fee \$	500
Minimum Modification Fee \$	1000
Renewal with Minor Modification \$	500
Check if Facility Holds an Active Minor Source or Minor Source General Permit	<input type="checkbox"/>
If Hold Active Permit, Amt of Last Annual Air Permit Invoice \$	0
Total Permit Fee Chargeable Emissions (tpy)	36.3
Initial Title V Permit Fee Chargeable Emissions (tpy)	

*HAPs not included in VOC or PM:* Chlorine, Hydrazine, HCl, HF, Methyl Chloroform, Methylene Chloride, Phosphine, Tetrachloroethylene, Titanium Tetrachloride

*Air Contaminants:* All air contaminants are chargeable unless they are included in other totals (e.g., H2SO4 in condensible PM, H2S in TRS, etc.)

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
PM	<input checked="" type="checkbox"/>	255.9	297.2	41.3	41.3	297.2
PM <sub>10</sub>	<input type="checkbox"/>	255.9	257.6	1.7		
SO <sub>2</sub>	<input checked="" type="checkbox"/>	2699.7	2699.6	-0.1	-0.1	2699.6
VOC	<input checked="" type="checkbox"/>	138.5	136.7	-1.8	-1.8	136.7
CO	<input type="checkbox"/>	1727.3	1717.2	-10.1		
NO <sub>x</sub>	<input checked="" type="checkbox"/>	2975.5	2972.4	-3.1	-3.1	2972.4
1. (The following HAPs are bubbled together)	<input type="checkbox"/>		0	0		
1,1,1-Trichloroethane*	<input type="checkbox"/>	120.8	121.1	0.3		
1,1,2,2-Tetrachloroethane*	<input type="checkbox"/>	0	0	0		
1,1,2-Trichloroethane*	<input type="checkbox"/>	0	0	0		
1,1-Dichloroethane*	<input type="checkbox"/>	0	0	0		
1,1-Dimethyl hydrazine*	<input type="checkbox"/>	0	0	0		
1,2-Dibromo-3-chloropropane*	<input type="checkbox"/>	0	0	0		
1,2-Dichloroethane*	<input type="checkbox"/>	0	0	0		
1,2-Dichloropropane*	<input type="checkbox"/>	0	0	0		
1,2-Diphenylhydrazine*	<input type="checkbox"/>	0	0	0		
1,2-Epoxybutane*	<input type="checkbox"/>	0	0	0		
1,2-Propylenimine (2-Methylaziridine)*	<input type="checkbox"/>	0	0	0		
1,3-Butadiene*	<input type="checkbox"/>	0	0	0		

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
1,3-Propane sultone*	✓	0	0	0		
1,4-Dioxane*	✓	0	0	0		
1,4-Phenylenediamine*	✓	0	0	0		
2,2,4-Trimethylpentane*	✓	0	0	0		
2,3,7,8-Tetrachlorodibenzo-p-dioxin*	✓	0	0	0		
2,4-D, salts and esters*	✓	0	0	0		
2,4-Toluene diamine*	✓	0	0	0		
2,4-Toluene diisocyanate*	✓	0	0	0		
2-Acetylaminofluorene*	✓	0	0	0		
2-Chloroacetophenone*	✓	0	0	0		
2-Nitropropane*	✓	0	0	0		
3,3-Dimethoxybenzidine*	✓	0	0	0		
3,3'-Dimethyl benzidine*	✓	0	0	0		
4,4-Methylenebis(2-chloroaniline)*	✓	0	0	0		
4,4'-Methylenedianiline*	✓	0	0	0		
4,6-Dinitro-o-cresol, and salts*	✓	0	0	0		
4-Nitrobiphenyl*	✓	0	0	0		
Acetaldehyde*	✓	0	0	0		
Acetamide*	✓	0	0	0		
Acetonitrile*	✓	0	0	0		
Acetophenone*	✓	0	0	0		
Acrolein*	✓	0	0	0		
Acrylic acid*	✓	0	0	0		
Benzene*	✓	0	0	0		
Benzotrichloride*	✓	0	0	0		
Benzyl chloride*	✓	0	0	0		
beta-Propiolactone*	✓	0	0	0		
Biphenyl*	✓	0	0	0		
Bromoform*	✓	0	0	0		
Calcium cyanamide*	✓	0	0	0		
Captan*	✓	0	0	0		
Carbaryl*	✓	0	0	0		
Carbonyl sulfide*	✓	0	0	0		
Catechol*	✓	0	0	0		
Chloramben*	✓	0	0	0		
Chlordane*	✓	0	0	0		
Chloroacetic acid*	✓	0	0	0		
Chlorobenzilate*	✓	0	0	0		

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
Chloromethyl methyl ether*	<input type="checkbox"/>	0	0	0		
Chloroprene*	<input type="checkbox"/>	0	0	0		
Cresols/Cresylic acid*	<input type="checkbox"/>	0	0	0		
DDE*	<input type="checkbox"/>	0	0	0		
Diazomethane*	<input type="checkbox"/>	0	0	0		
Dibutylphthalate*	<input type="checkbox"/>	0	0	0		
Dichlorvos*	<input type="checkbox"/>	0	0	0		
Diethanolamine*	<input type="checkbox"/>	0	0	0		
Diethyl sulfate*	<input type="checkbox"/>	0	0	0		
Dimethyl aminoazobenzene*	<input type="checkbox"/>	0	0	0		
Dimethyl carbamoyl chloride*	<input type="checkbox"/>	0	0	0		
Dimethyl formamide*	<input type="checkbox"/>	0	0	0		
Dimethyl sulfate*	<input type="checkbox"/>	0	0	0		
Epichlorohydrin (1-Chloro-2,3epoxypropane)*	<input type="checkbox"/>	0	0	0		
Ethyl carbamate (Urethane)*	<input type="checkbox"/>	0	0	0		
Ethyl chloride (Chloroethane)*	<input type="checkbox"/>	0	0	0		
Ethylene dibromide*	<input type="checkbox"/>	0	0	0		
Ethylene glycol*	<input type="checkbox"/>	0	0	0		
Ethylene imine (Aziridine)*	<input type="checkbox"/>	0	0	0		
Ethylene oxide*	<input type="checkbox"/>	0	0	0		
Ethylene thiourea*	<input type="checkbox"/>	0	0	0		
Ethylidene dichloride*	<input type="checkbox"/>	0	0	0		
Formaldehyde*	<input type="checkbox"/>	0	0	0		
Glycol ethers*	<input type="checkbox"/>	0	0	0		
Heptachlor*	<input type="checkbox"/>	0	0	0		
Hexamethylene-1,6-diisocyanate*	<input type="checkbox"/>	0	0	0		
Hexamethylphosphoramide*	<input type="checkbox"/>	0	0	0		
Hydrazine*	<input type="checkbox"/>	0	0	0		
Lindane (all isomers)*	<input type="checkbox"/>	0	0	0		
Maleic anhydride*	<input type="checkbox"/>	0	0	0		
m-Cresol*	<input type="checkbox"/>	0	0	0		
Methanol*	<input type="checkbox"/>	0	0	0		
Methoxychlor*	<input type="checkbox"/>	0	0	0		
Methyl hydrazine*	<input type="checkbox"/>	0	0	0		
Methyl isobutyl ketone (Hexone)*	<input type="checkbox"/>	0	0	0		
Methyl isocyanate*	<input type="checkbox"/>	0	0	0		
Methyl Methacrylate*	<input type="checkbox"/>	0	0	0		
Methyl tert-butyl ether*	<input type="checkbox"/>	0	0	0		

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
Methylene diphenyl diisocyanate*	<input type="checkbox"/>	0	0	0		
N,N-Dimethylaniline*	<input type="checkbox"/>	0	0	0		
N-Nitrosodimethylamine*	<input type="checkbox"/>	0	0	0		
N-Nitrosomorpholine*	<input type="checkbox"/>	0	0	0		
N-Nitroso-N-methylurea*	<input type="checkbox"/>	0	0	0		
o-Anisidine*	<input type="checkbox"/>	0	0	0		
o-Cresol*	<input type="checkbox"/>	0	0	0		
Parathion*	<input type="checkbox"/>	0	0	0		
p-Cresol*	<input type="checkbox"/>	0	0	0		
Phosgene*	<input type="checkbox"/>	0	0	0		
Phosphine*	<input type="checkbox"/>	0	0	0		
Phthalic anhydride*	<input type="checkbox"/>	0	0	0		
Polychlorinated biphenyls*	<input type="checkbox"/>	0	0	0		
Propionaldehyde*	<input type="checkbox"/>	0	0	0		
Propoxur (Baygon)*	<input type="checkbox"/>	0	0	0		
Propylene oxide*	<input type="checkbox"/>	0	0	0		
Quinoline*	<input type="checkbox"/>	0	0	0		
Quinone*	<input type="checkbox"/>	0	0	0		
Styrene oxide*	<input type="checkbox"/>	0	0	0		
Tetrachloroethylene*	<input type="checkbox"/>	0	0	0		
Toxaphene (chlorinated camphene)*	<input type="checkbox"/>	0	0	0		
trans-1,3-Dichloropropene*	<input type="checkbox"/>	0	0	0		
Trichloroethylene*	<input type="checkbox"/>	0	0	0		
Triethylamine*	<input type="checkbox"/>	0	0	0		
Trifluralin*	<input type="checkbox"/>	0	0	0		
Vinyl acetate*	<input type="checkbox"/>	0	0	0		
Vinyl chloride*	<input type="checkbox"/>	0	0	0		
-----	<input type="checkbox"/>		0	0		
Dioxin/Furan	<input type="checkbox"/>	1.3E-06	1.30E-06	0		
-----	<input type="checkbox"/>		0	0		
(The following emissions are bubbled together)	<input type="checkbox"/>		0	0		
HCl	<input checked="" type="checkbox"/>	416.6	416.6	0	0	416.6
Hydrogen fluoride	<input type="checkbox"/>		0	0		
Hydrogen sulfide	<input type="checkbox"/>		0	0		
Chlorine	<input type="checkbox"/>		0	0		
Titanium tetrachloride	<input type="checkbox"/>		0	0		
Carbon tetrachloride	<input type="checkbox"/>		0	0		
-----	<input type="checkbox"/>		0	0		

Pollutant (tpy)	Check if Chargeable Emission	Old Permit	New Permit	Change in Emissions	Permit Fee Chargeable Emissions	Annual Chargeable Emissions
Arsenic	<input type="checkbox"/>	0.2	0.2	0		
Beryllium	<input type="checkbox"/>	0.2	0.2	0		
Cadmium	<input type="checkbox"/>	0.7	0.7	0		
Chromium	<input type="checkbox"/>	0.2	0.2	0		
Lead	<input type="checkbox"/>	0.7	0.7	0		
Mercury	<input type="checkbox"/>	0.4	0.4	0		
-----	<input type="checkbox"/>		0	0		
(The following emissions are bubbled together)	<input type="checkbox"/>		0	0		
Antimony**	<input type="checkbox"/>	119.3	119.3	0		
Asbestos**	<input type="checkbox"/>		0	0		
Cobalt**	<input type="checkbox"/>		0	0		
Cyanide Compounds**	<input type="checkbox"/>		0	0		
Fine mineral fibers**	<input type="checkbox"/>		0	0		
Manganese**	<input type="checkbox"/>		0	0		
Nickel**	<input type="checkbox"/>		0	0		
Phosphorus**	<input type="checkbox"/>		0	0		
Polycyclic Organic Matter**	<input type="checkbox"/>		0	0		
Radionuclides**	<input type="checkbox"/>		0	0		
(including radon)	<input type="checkbox"/>		0	0		
Selenium**	<input type="checkbox"/>		0	0		
-----	<input type="checkbox"/>		0	0		
Hexachlorobenzene	<input type="checkbox"/>	5	0.1	-4.9		
Acrylamide	<input type="checkbox"/>	5	0.1	-4.9		
Bis(chloromethyl)ether	<input type="checkbox"/>	5	0.1	-4.9		