

ARKANSAS Department of Environmental Quality  
PPS REQUIREMENTS

1. Name of facility:  
Ash Grove Cement Company

2. Name, address and telephone number of laboratory:  
Arkansas Analytical, Inc.  
11701 Interstate 30; Bldg. 1; Suite 115  
Little Rock, AR 72209 501-455-3233

3. Is the lab certified by the state of Arkansas? Yes  No

4. What are the certification dates?  
Issued data Oct. 30, 2005 Expire date Oct. 30, 2006

5. Is the laboratory certified for all the parameters?  
YES  No  (Explain)  
\_\_\_\_\_  
\_\_\_\_\_

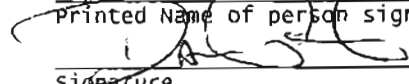
6. Date and time of samples collected:  
1-24-06, 1430

7. Date and time samples were received in the laboratory:  
1-25-06, 0830

8. Sample location (outfall No.):  
Outfall 002

9. Samples collected by:  
Name Joel Ledbetter  
Title Chemist  
Telephone 501-455-3233

10. I certify under penalty of law that this document and all attachments were prepared under my direction of supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or person who manage the system, or those person directly responsible for gathering the information submitted is, to the best of my knowledge and belief, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Dan Peterson Plant Manager  
Printed Name of person signing Title  
 3/28/06  
Signature Date signed

List all attachments to this form:  
Attachment 1

ATTACHMENT 1

METALS AND CYANIDE	FOR OFFICE USE ONLY	LABORATORY ANALYSIS				RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	EPA METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MCL (ug/l)	EPA APPROVED TEST METHOD	
1. Antimony (Total) <sup>1</sup> , Recoverable		ND	200.7	60	60	200.7	
2. Arsenic (Total) <sup>1</sup> , Recoverable		ND	206.2	10	10	206.2	
3. Beryllium (Total) <sup>1</sup> , Recoverable		ND	200.7	5	5	200.7	
4. Cadmium (Total) <sup>2</sup> , Recoverable		ND	200.7	1	1	213.2	
5. Chromium (Total) <sup>1</sup> , Recoverable		ND	200.7	10	10	200.7	
7. Chromium (6+) <sup>1</sup> , Dissolved		ND	218.4	10	10	218.4	
8. Copper (Total) <sup>2</sup> , Recoverable		ND	200.7	10	10	220.2	
9. Lead (Total) <sup>2</sup> , Recoverable		ND	239.2	5	5	239.2	
10. Mercury (Total) <sup>1</sup> , Recoverable		ND	245.1	0.2	0.2	245.1	
12. Nickel (Total) <sup>1</sup> [freshwater]		ND	200.7	40	40	200.7	
13. Selenium (Total) <sup>1</sup> , Recoverable		ND	270.2	5	5	270.2	
14. Silver (Total) <sup>2</sup> , Recoverable		ND	272.2	2	2	272.2	
15. Thallium (Total) <sup>1</sup> , Recoverable		ND	279.2	10	10	279.2	
16. Zinc (Total) <sup>1</sup> , Recoverable		ND	200.7	20	20	200.7	
129. Phenols, Total Recoverable		ND	420.1	5	5	420.1	
17. Cyanide (Total) <sup>1</sup> , Recoverable		ND	335.2	20	20	335.2	

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	FOR OFFICE USE ONLY	LABORATORY ANALYSIS				RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	TEST METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MQL (ug/L)	EPA APPROVED TEST METHODS	
18. DIOXIN 2,3,7,8-Tetrachloro-debenzo-p-dioxin (TCDD)		N/D	625 Screen only	10	0.00001	1613	

ATTACHMENT 1

VOLATILE COMPOUNDS	FOR OFFICE USE ONLY	LABORATORY ANALYSIS				RECOMMENDED EPA TEST METHOD	
		RESULTS (µg/l)	TEST METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	REQUIRED MQL (µg/L)	EPA APPROVED TEST METHODS	
19. Acrolein <sup>4</sup>		ND	624	50	50	624	
20. Acrylonitrile <sup>4</sup>		ND	624	50	50	624	
21. Benzene <sup>4</sup>		ND	624	10	10	624	
22. Bromoforms		ND	624	10	10	624	
23. Carbon Tetrachloride <sup>5</sup>		ND	624	10	10	624	
24. Chlorobenzenes		ND	624	10	10	624	
25. Chlorodibromomethanes		ND	624	10	10	624	
26. Chloroethanes <sup>6</sup>		ND	624	50	50	624	
27. 2-Chloroethyl vinyl ether <sup>4</sup>		ND	624	10	10	624	
28. Chloroforms		ND	624	10	10	624	
29. Dichlorobromomethanes <sup>5</sup>		ND	624	10	10	624	
30. 1,1-Dichloroethanes <sup>5</sup>		ND	624	10	10	624	
31. 1,2-Dichloroethanes <sup>5</sup>		ND	624	10	10	624	
32. 1,1-Dichloroethylenes <sup>5</sup>		ND	624	10	10	624	
33. 1,2-Dichloropropanes <sup>5</sup>		ND	624	10	10	624	
34. 1,3-Dichloropropylenes <sup>5</sup>		ND	624	10	10	624	
35. Ethylbenzenes		ND	624	10	10	624	
36. Methyl Bromide [Bromomethane] <sup>6</sup>		ND	624	50	50	624	
37. Methyl Chloride [Chloromethane] <sup>6</sup>		ND	624	50	50	624	
38. Methylene Chloride <sup>5</sup>		ND	624	20	20	624	
39. 1,1,2,2-Tetrachloroethanes <sup>5</sup>		ND	624	10	10	624	
40. Tetrachloroethylene <sup>5</sup>		ND	624	10	10	624	
41. Toluene <sup>5</sup>		ND	624	10	10	624	
42. 1,2-trans-Dichloroethylenes <sup>5</sup>		ND	624	10	10	624	
43. 1,1,1-Trichloroethanes <sup>5</sup>		ND	624	10	10	624	
44. 1,1,2-Trichloroethanes <sup>5</sup>		ND	624	10	10	624	
45. Trichloroethylenes <sup>5</sup>		ND	624	10	10	624	
46. Vinyl Chloride <sup>5</sup>		ND	624	10	10	624	

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ACID COMPOUNDS	FOR OFFICE USE ONLY	LABORATORY ANALYSIS				RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	EPA METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MQL (ug/l)	EPA APPROVED TEST METHOD	
47. 2-Chloropheno <sup>15</sup>		ND	625	10	10	625	
48. 2,4-Dichloropheno <sup>15</sup>		ND	625	10	10	625	
49. 2,4-Dimethylpheno <sup>17</sup>		ND	625	10	10	625	
50. 4,6-Dinitro- <i>o</i> -Cresol [2 methyl 4,6-dinitropheno <sup>18</sup>		ND	625	50	50	625	
51. 2,4-Dinitropheno <sup>15</sup>		ND	625	50	50	625	
52. 2-Nitropheno <sup>16</sup>		ND	625	20	20	625	
53. 4-Nitropheno <sup>15</sup>		ND	625	50	50	625	
54. <i>p</i> -Chloro- <i>m</i> -Cresol [4 Chloro-3-methylpheno <sup>115</sup>		ND	625	10	10	625	
55. Pentachloropheno <sup>15</sup>		ND	625	50	50	625	
56. Pheno <sup>15</sup>		ND	625	10	10	625	
57. 2,4,6-Trichloropheno <sup>15</sup>		ND	625	10	10	625	

ATTACHMENT 1

BASE/NEUTRAL COMPOUNDS	FOR OFFICE USE ONLY	LABORATORY ANALYSIS					RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	TEST METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MQL (ug/L)	EPA APPROVED TEST METHOD		
58. Acenaphthene <sup>s</sup>		ND	625	10	10	625		
59. Acenaphthylene <sup>s</sup>		ND	625	10	10	625		
60. Anthracene <sup>s</sup>		ND	625	10	10	625		
61. Benzidine <sup>s</sup>		ND	625	50	50	625		
62. Benzo(a)anthracene <sup>s</sup>		ND	625	10	10	625		
63. Benzo(a)pyrene <sup>s</sup>		ND	625	10	10	625		
64. 3,4-Benzofluoranthene <sup>s</sup>		ND	625	10	10	625		
65. Benzo(ghi)perylene <sup>s</sup>		ND	625	20	20	625		
66. Benzo(k)fluoranthene <sup>s</sup>		ND	625	10	10	625		
67. Bis(2-chloroethoxy) methane <sup>s</sup>		ND	625	10	10	625		
68. Bis(2-chloroethyl) ether <sup>s</sup>		ND	625	10	10	625		
69. Bis(2-chloroisopropyl) ether <sup>s</sup>		ND	625	10	10	625		
70. Bis(2-ethylhexyl) phthalate <sup>s</sup>		ND	625	10	10	625		
71. 4-Bromophenyl phenyl ether <sup>s</sup>		ND	625	10	10	625		
72. Butyl benzyl phthalate <sup>s</sup>		ND	625	10	10	625		
73. 2-Chloronaphthalene <sup>s</sup>		ND	625	10	10	625		
74. 4-Chlorophenyl phenyl ether <sup>s</sup>		ND	625	10	10	625		
75. Chrysene <sup>s</sup>		ND	625	10	10	625		
76. Dibenzo (a,h) anthracene <sup>s</sup>		ND	625	20	20	625		
77. 1,2-Dichlorobenzene <sup>s</sup>		ND	625	10	10	625		
78. 1,3-Dichlorobenzene <sup>s</sup>		ND	625	10	10	625		
79. 1,4-Dichlorobenzene <sup>s</sup>		ND	625	10	10	625		
80. 3,3'-Dichlorobenzidine <sup>s</sup>		ND	625	50	50	625		
81. Diethyl Phthalate <sup>s</sup>		ND	625	10	10	625		
82. Dimethyl Phthalate <sup>s</sup>		ND	625	10	10	625		
83. Di-n-Butyl Phthalate <sup>s</sup>		ND	625	10	10	625		
84. 2,4-Dinitrotoluene <sup>s</sup>		ND	625	10	10	625		
85. 2,6-Dinitrotoluene <sup>s</sup>		ND	625	10	10	625		
86. Di-n-octyl Phthalate <sup>s</sup>		ND	625	10	10	625		

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BASE/NEUTRAL COMPOUNDS	FOR OFFICE USE ONLY	LABORATORY ANALYSIS					RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	TEST METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MQL (ug/l)	EPA APPROVED TEST METHOD		
87. 1,2-Diphenylhydrazine <sup>4</sup>		ND	625	20	20	625		
88. Fluoranthene <sup>5</sup>		ND	625	10	10	625		
89. Fluorene <sup>5</sup>		ND	625	10	10	625		
90. Hexachlorobenzene <sup>5</sup>		ND	625	10	10	625		
91. Hexachlorobutadiene <sup>5</sup>		ND	625	10	10	625		
92. Hexachlorocyclopentadiene <sup>5</sup>		ND	625	10	10	625		
93. Hexachloroethane <sup>6</sup>		ND	625	20	20	625		
94. Indeno (1,2,3-cd) pyrene <sup>6</sup> (2,3-o-phenylene pyrene)		ND	625	20	20	625		
95. Isophorone <sup>5</sup>		ND	625	10	10	625		
96. Naphthalene <sup>5</sup>		ND	625	10	10	625		
97. Nitrobenzene <sup>5</sup>		ND	625	10	10	625		
98. N-nitrosodimethylamine <sup>6</sup>		ND	625	50	50	625		
99. N-nitrosodi-n-propylamine <sup>6</sup>		ND	625	20	20	625		
100. N-nitrosodiphenylamine <sup>6</sup>		ND	625	20	20	625		
101. Phenanthrene <sup>5</sup>		ND	625	10	10	625		
102. Pyrene <sup>5</sup>		ND	625	10	10	625		
103. 1,2,4-Trichlorobenzene <sup>5</sup>		ND	625	10	10	625		

ATTACHMENT 1

PESTICIDES	FOR OFFICE USE ONLY	LABORATORY ANALYSIS				RECOMMENDED EPA TEST METHOD	
		RESULTS (ug/l)	TEST METHOD USED	DETECTION LEVEL ACHIEVED (ug/l)	REQUIRED MQL (ug/l)	EPA APPROVED TEST METHOD	
104. Aldrin <sup>s</sup>		ND	608	0.05	0.05	608	
105. Alpha-BHC <sup>s</sup>		ND	608	0.05	0.05	608	
106. Beta-BHC <sup>s</sup>		ND	608	0.05	0.05	608	
107. Gamma-BHC <sup>s</sup>		ND	608	0.05	0.05	608	
108. Delta-BHC <sup>s</sup>		ND	608	0.05	0.05	608	
109. Chlordane <sup>s</sup>		ND	608	0.2	0.2	608	
110. 4,4'-DDT <sup>s</sup>		ND	608	0.1	0.1	608	
111. 4,4'-DDE (p,p-DDX) <sup>s</sup>		ND	608	0.1	0.1	608	
112. 4,4'-DDD (p,p-TDE) <sup>s</sup>		ND	608	0.1	0.1	608	
113. Dieldrin <sup>s</sup>		ND	608	0.1	0.1	608	
114. Alpha-endosulfan <sup>s</sup>		ND	608	0.1	0.1	608	
115. Beta-endosulfan <sup>s</sup>		ND	608	0.1	0.1	608	
116. Endosulfan sulfate <sup>s</sup>		ND	608	0.1	0.1	608	
117. Endrin <sup>s</sup>		ND	608	0.1	0.1	608	
118. Endrin aldehyde <sup>s</sup>		ND	608	0.1	0.1	608	
119. Heptachlor <sup>s</sup>		ND	608	0.05	0.05	608	
120. Heptachlor epoxides <sup>s</sup> (BHC-hexachlorocyclohexane)		ND	608	1.0	1.0	608	
130. Chloryrifos		ND	8141A	0.07	0.07	8141A	
121. PCB-1242 <sup>s</sup>		ND	608	1.0	1.0	608	
122. PCB-1254		ND	608	1.0	1.0	608	
123. PCB-1221		ND	608	1.0	1.0	608	
124. PCB-1232		ND	608	1.0	1.0	608	
125. PCB-1248		ND	608	1.0	1.0	608	
126. PCB-1260		ND	608	1.0	1.0	608	
127. PCB-1016		ND	608	1.0	1.0	608	
128. Toxaphene <sup>s</sup>		ND	608	5.0	5.0	608	