

**ASH GROVE CEMENT COMPANY  
NPDES PERMIT RENEWAL APPLICATION**

**NPDES PERMIT NO. AR0042846**

**DECEMBER 1, 2016**

ASH GROVE CEMENT COMPANY  
NPDES PERMIT RENEWAL APPLICATION

NPDES PERMIT NO. AR0042846

Prepared for

Ash Grove Cement Company  
4343 Highway 108 W  
Foreman, AR 71836

Prepared by

FTN Associates, Ltd.  
3 Innwood Circle, Suite 220  
Little Rock, AR 72211

FTN No. 06035-1279-001

December 1, 2016

**Ash Grove Cement Company  
NPDES Permit Renewal Application  
NPDES Permit No. AR0042846**

**ENCLOSURES:**

- **ADEQ Form 1**
- **ADEQ Disclosure Statement**
  - **Arkansas Statement of Good Standing**
  - **Delaware Statement of Good Standing**
- **EPA Form 2C**
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  - **Outfall 002**
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- **ADEQ Priority Pollutant Scan**
  - **Outfall 001**
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- **Maps & Diagrams**
  - **Location Map**
  - **Topographic Map**
  - **Stormwater Drainage Map**
  - **Flood Insurance Rate Map**
  - **Flow Diagram/Water Balance**

# **ADEQ Form 1**

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NPDES PERMIT APPLICATION  
**FORM 1**

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER DIVISION  
5301 Northshore Drive  
North Little Rock, AR 72118-5317  
[www.adeg.state.ar.us/water](http://www.adeg.state.ar.us/water)

**PURPOSE OF THIS APPLICATION**

- INITIAL PERMIT APPLICATION FOR NEW FACILITY
- INITIAL PERMIT APPLICATION FOR EXISTING FACILITY
- MODIFICATION OF EXISTING PERMIT
- REISSUANCE (RENEWAL) OF EXISTING PERMIT
- MODIFICATION AND CONSTRUCTION OF EXISTING PERMIT
- CONSTRUCTION PERMIT

**SECTION A- GENERAL INFORMATION**

1. Legal Applicant Name (who has ultimate decision making responsibility over the operation of a facility or activity):

Ash Grove Cement Company

Note: The legal name of the applicant must be identical to the name listed with the Arkansas Secretary of State.

2. Operator Type: Private  State  Federal  Partnership  Corporation  Other

State of Incorporation: Delaware

3. Facility Name: Ash Grove Cement Company, Foreman Plant

4. Is the legal applicant identified in number 1 above, the owner of the facility?  Yes  No

5. NPDES Permit Number (If Applicable): AR0042846

6. NPDES General Permit Number (If Applicable): ARG

7. NPDES General Storm Water Permit Number (If Applicable): \_\_\_\_\_

8. Permit Numbers and/or names of any permits issued by ADEQ or EPA for an activity located in Arkansas that is presently held by the applicant or its parent or subsidiary corporation which are not listed above:

<u>Permit Name</u>	<u>Permit Number</u>	<u>Held by</u>
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See attached Page 2A

9. Give driving directions to the wastewater treatment plant with respect to known landmarks:

From Foreman, AR, proceed south on Arkansas Highway 108 for approximately 2 miles to the plant entrance

10. Facility Physical Location: (Attach a map with location marked; street, route no. or other specific identifier)

Street: 4343 Highway 108 W

City: Foreman County: Little River State: AR Zip: 71836

Permit Name	Permit Number	Held by
Title V Air Permit	0075-AOP-R18	Applicant
Hazardous Waste EPA ID	ARD981512270	Applicant
Hazardous Waste Permit	21H-RN1	Applicant
Waste Tire Processor Permit	0016-SWTP-R1	Ash Grove Cement – Quarry (AFIN 41-0069)
Class III Landfill Permit	0302-S3N	Ash Grove Cement Landfill (AFIN 41-00230)
Industrial Stormwater Permit	ARR001101	Ash Grove Cement Landfill (AFIN 41-00230)

11. Facility Mailing Address for permit, DMR, and Invoice (Street or Post Office Box):

Name: David Dorris Title: Plant Manager  
Street: 4343 Highway 108 W P.O. Box \_\_\_\_\_  
City: Foreman State: AR Zip: 71836  
E-mail address\*: david.dorris@ashgrove.com Fax: (870) 542-3026

\* Is emailing all documents (permit, letters, DMRs, invoices, etc.) acceptable to the applicant?  Yes  No

12. Neighboring States Within 20 Miles of the permitted facility (Check all that apply):

Oklahoma  Missouri  Tennessee  Louisiana  Texas  Mississippi

13. Indicate applicable Standard Industrial Classification (SIC) Codes and NAICS codes for primary processes

3241 SIC Facility Activity under this SIC or NAICS:  
327310 NAICS Cement Manufacturing

14. Design Flow: \_\_\_\_\_ MGD Highest Monthly Average of the last two years Flow: See Form 2C MGD

15. Is Outfall equipped with a diffuser?  Yes  No

16. Responsible Official (as described on the last page of this application):

Name: David Dorris Title: Plant Manager  
Address: 4343 Highway 108 Phone Number: (870) 542-3010  
E-mail Address: david.dorris@ashgrove.com  
City: Foreman State: AR Zip: 71836

17. Cognizant Official (Duly Authorized Representative of responsible official as describe on the last page of this application):

Name: David Dorris Title: Plant Manager  
Address: 4343 Highway 108 Phone Number: (870) 542-3010  
E-mail Address: david.dorris@ashgrove.com  
City: Foreman State: AR Zip: 71836

18. Name, address and telephone number of active consulting engineer firm (If none, so state):

Contact Name: RayWieda, PE  
Company Name: FTN Associates, Ltd  
Address: 3 Innwood Circle, Suite 220 Phone Number: (501) 225-7779  
E-mail Address: rew@ftn-assoc.com  
City: Little Rock State: AR Zip: 72211

19. Wastewater Operator Information

Wastewater Operator Name: Keith Byerly License number: 006598  
Class of municipal wastewater operator: I  II  III  IV   
Class of industrial wastewater operator: Basic  Advanced

## SECTION B: FACILITY AND OUTFALL INFORMATION

1. Facility Location (All information must be based on **front door (Gate)** location of the facility):

Lat: 33N ° 41 ' 59.3 " Long: 94W ° 24 ' 57.8 " County: Little River Nearest Town: Foreman

2. **Outfall** Location (The location of the end of the pipe Discharge point.):

**Outfall No. 001:**

Latitude: 33N ° 41 ' 9.2 " Longitude: 94W ° 25 ' 28.4 "

Where is the collection point? End of pipe

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):

Unnamed tributary to French Creek, thence to French Creek, thence to Walnut Bayou, thence to Red River in Segment 1B of the Red River Basin

**Outfall No. 002:**

Latitude: 33N ° 41 ' 29.6 " Longitude: 94W ° 25 ' 36.3 "

Where is the collection point? Outfall

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):

Unnamed tributary to French Creek, thence to French Creek, thence to Walnut Bayou, thence to Red River in Segment 1B of the Red River Basin

3. **Monitoring** Location (If the monitoring is conducted at a location different than the above **Outfall** location):

**Outfall No. \_\_\_\_\_:**

Lat: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " Long: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "

**Outfall No. \_\_\_\_\_:**

Lat: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " Long: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "

**Outfall No. \_\_\_\_\_:**

Lat: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ " Long: \_\_\_\_\_ ° \_\_\_\_\_ ' \_\_\_\_\_ "

4. Type of Treatment system (Included all components of treatment system and Attach the process flow diagram):

Package activated sludge plant for sanitary wastewater; settling lagoons for process wastewater



**Outfall No.** 003

Latitude: 33N ° 41 ' 15.3 " Longitude: 94W ° 25 ' 28.7 "

Where is the collection point? Outfall

Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek; thence into Arkansas River):

Unnamed tributary to French Creek, thence to French Creek, thence to Walnut Bayou, thence to the Red River in

Segment 1B of the Red River Basin

5. Do you have, or plan to have, **AUTOMATIC** sampling equipment or **CONTINUOUS** wastewater flow metering equipment at this facility?

Current:	Flow Metering	<input type="checkbox"/>	Yes	Type: _____	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
	Sampling Equipment	<input type="checkbox"/>	Yes	Type: _____	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
Planned:	Flow Metering	<input type="checkbox"/>	Yes	Type: _____	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>
	Sampling Equipment	<input type="checkbox"/>	Yes	Type: _____	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	N/A	<input type="checkbox"/>

If **YES**, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

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If **NO**, please describe the method and location of flow measurement below:

V-notch weir

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6. Is the proposed or existing facility located above the 100-year flood level?  Yes  No

NOTE: FEMA Map must be included with this application. Maps can be ordered at [www.fema.gov](http://www.fema.gov).

If "No", what measures are (or will be) used to protect the facility? \_\_\_\_\_

7. Population for Municipal and Domestic Sewer Systems: N/A

8. Backup Power Generation for Treatment Plants

Are there any permanent backup generators? Yes  No

If Yes, How many? \_\_\_\_\_ Total Horespower (hp)? \_\_\_\_\_

If No, Please explain? Passive treatment; discharge by gravity

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**SECTION C – WASTE STORAGE AND DISPOSAL INFORMATION**

1. Sludge Disposal Method (Check as many as are applicable):

**Landfill**

Landfill Site Name Upper Southwest Arkansas Solid Waste Management

ADEQ Solid Waste Permit No. 0265-S1-R1

**Land Application:** ADEQ State Permit No. \_\_\_\_\_

**Septic tank** Arkansas Department of Health Permit No.: \_\_\_\_\_

**Distribution and Marketing:** Facility receiving sludge:

Name: \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Rail:  \_\_\_\_\_ Pipe:  \_\_\_\_\_ Other: \_\_\_\_\_

**Subsurface Disposal (Lagooning):**

Location of lagoon \_\_\_\_\_ How old is the lagoon? \_\_\_\_\_

Surface area of lagoon: \_\_\_\_\_ Acre Depth: \_\_\_\_\_ ft Does lagoon have a liner?  Yes  No

**Incineration:** Location of incinerator \_\_\_\_\_

**Remains in Treatment Lagoon(s):**

How old is the lagoon(s)? \_\_\_\_\_ Has sludge depth been measured?  Yes  No

If Yes, Date measured? \_\_\_\_\_ Sludge Depth? \_\_\_\_\_ ft If No, When will it be measured? \_\_\_\_\_

Has sludge ever been removed? Yes  No  If Yes, When was it removed? \_\_\_\_\_

**Other (Provide complete description):** \_\_\_\_\_

**SECTION D - WATER SUPPLY**

Water Sources (check as many as are applicable):

**Private Well** - Distance from Discharge point:  Within 5 miles  Within 50 miles

**Municipal Water Utility** (Specify City): City of Foreman

Distance from Discharge point:  Within 5 miles  Within 50 miles

**Surface Water**- Name of Surface Water Source: \_\_\_\_\_

Distance from Discharge point:    Within 5 miles  Within 50 miles

Lat: \_\_\_\_\_ ° \_\_\_\_\_ ‘ \_\_\_\_\_ “ Long: \_\_\_\_\_ ° \_\_\_\_\_ ‘ \_\_\_\_\_ “

**Other** (Specify): \_\_\_\_\_

Distance from Discharge point:    Within 5 miles  Within 50 miles

## SECTION E: FINANCIAL ASSURANCE AND DISCLOSURE STATEMENT

1. Arkansas Code Annotated § 8-4-203 provides for financial assurance requirements for permitting non-municipal domestic sewage treatment systems. Arkansas Code 8-4-203 (b)(1)(A)(i) – “The department shall not issue, modify, or renew a National Pollutant Discharge Elimination System permit or state permit for a non-municipal domestic sewage treatment works without the permit applicant first demonstrating to the department its financial ability to cover the estimated costs of operating and maintaining the non-municipal domestic sewage treatment works for a minimum period of five (5) years.”

The applicant must provide a detailed estimate of the operation and maintenance (O&M) costs for the facility for a five year period. Once the O&M estimate is approved, the applicant must provide **financial assurance** in order to show that the facility is able to cover the costs of operating and maintaining the treatment system for the next five years.

The minimal financial assurance may be demonstrated to the department by using the following as outlined in Arkansas Code 8-4-203(b)(2):

- A. Obtaining insurance that specifically covers operation and maintenance costs
  - B. Obtaining a letter of credit;
  - C. Obtaining a surety/performance bond;
  - D. Obtaining a trust fund or an escrow account; or
  - E. Using a combination of insurance, letter of credit, surety bond, trust fund, or escrow account.
2. Disclosure Statement:  

Arkansas Code Annotated Section 8-1-106 requires that all applicants for any type of permit or transfer of any permit, license, certification or operational authority issued by the Arkansas Department of Environmental Quality (ADEQ) file a Disclosure Statement with their application. The filing of a Disclosure Statement is mandatory. No application can be considered administratively complete without a completed Disclosure Statement. The form may be obtained from the ADEQ web site at:

[http://www.adeg.state.ar.us/disclosure\\_stmt.pdf](http://www.adeg.state.ar.us/disclosure_stmt.pdf)

NOT APPLICABLE (N/A):

**SECTION F – INDUSTRIAL ACTIVITY**

1. Does an effluent guideline limitation promulgated by EPA ([Link to a Listing of the 40 CFR Effluent Limit Guidelines](#)) under Section 304 of the Clean Water Act (CWA) apply to your facility?

YES  (Answer questions 2 and 3)      NO

2. What Part of 40 CFR? 411

3. What Subpart(s)? C \_\_\_\_\_

4. Give a brief description of all operations at this facility including primary products or services (attach additional sheets if necessary):

Manufacturing of Portland Cement. Facility uses fossil, hazardous waste, solid waste, and tire derived fuel.

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5. Production: (projected for new facilities)

Product(s) Manufactured (Brand name)	Last 12 Months		Highest Production Year of Last 5 Years	
	lbs/day*		lbs/day*	
ELG limits are not based on production	Highest Month	Days of Operation	Monthly Average	Days of Operation

\* These units could be off-lbs, lbs quenched, lbs cleaned/etched/rinsed, lbs poured, lbs extruded, etc.







## SECTION H -TECHNICAL INFORMATION

Technical information to support this application shall be furnished in appropriate detail to understand the project. Information in this Part is required for obtaining a **construction permit** or for **modification** of the treatment system.

1. Describe the treatment system. Include the types of control equipment to be installed along with their methods of operation and control efficiency.

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2. One set of construction plans and specifications, approved (Signed and stamped) by a **Professional Engineer** (PE) registered in **Arkansas**, must be submitted as follows:
  - a. The plans must show flow rates in addition to pertinent dimensions so that detention times, overflow rates, and loadings per acre, etc. can be calculated.
  - b. Specifications and complete design calculations.
  - c. All treated wastewater discharges should have a flow measuring device such as a weir or Parshall flume installed. Where there is a significant difference between the flow rates of the raw and treated wastewater, a flow measuring device should be provided both before and after treatment.
3. If this application includes a construction permit disturbing five or more acres, a storm water construction permit must be obtained by submitting a notice of intent (NOI) to ADEQ.

**SECTION I: SIGNATORY REQUIREMENTS**

**Cognizant Official** (Duly Authorized Representative)

40 CFR 122.22(b) states that all reports required by the permit, or other information requested by the Director, shall be signed by the applicant (or person authorized by the applicant) or by a duly authorized representative of that person. A person is duly authorized representative only if:

- (1) the authorization is made in writing by the applicant (or person authorized by the applicant);
- (2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity responsibility, or an individual or position having overall responsibility for environmental matters for the company.

The applicant hereby designates the following person as a Cognizant Official, or duly authorized representative, for signing reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Signature of Cognizant Official: \_\_\_\_\_ Date: \_\_\_\_\_

Printed name of Cognizant Official: \_\_\_\_\_


Official title of Cognizant Official: \_\_\_\_\_ Telephone Number: \_\_\_\_\_


**Responsible Official**

The information contained in this form must be certified by a responsible official as defined in the "signatory requirements for permit applications" (40 CFR 122.22).

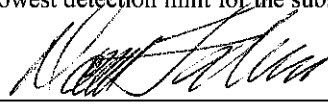
Responsible official is defined as follows:

- Corporation**, a principal officer of at least the level of vice president
- Partnership**, a general partner
- Sole proprietorship**: the proprietor
- Municipal, state, federal, or other public facility**: principal executive officer, or ranking elected official.

 (Initial) "I certify that the cognizant official designated above is qualified to act as a duly authorized representative under the provisions of 40 CFR 122.22(b)." NOTE: If no duly authorized representative is designated in this section, the Department considers the applicant to be the responsible official for the facility and only reports, etc., signed by the applicant will be accepted by the Department.

 (Initial) "I certify that, if this facility is a corporation, it is registered with the Secretary of State in Arkansas. Please provide the full name of the corporation if different than that listed in Section A above."

"I certify under penalty of law that this document and all attachments were prepared under my direction or 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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, 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. I further certify under penalty of law that all analyses reported as less than detectable in this application or attachments thereto were performed using the EPA approved test method having the lowest detection limit for the substance tested."

Signature of Responsible Official:  \_\_\_\_\_ Date: 12-1-2016

Printed name of Responsible Official: David Dorris

Official title of Responsible Official: Plant Manager Telephone Number: (870) 542-3010

# **DISCLOSURE STATEMENT**

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# ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY DISCLOSURE STATEMENT

## Instructions for the Completion of this Document:

- A. Individuals, firms or other legal entities with no changes to an ADEQ Disclosure Statement, complete items 1 through 5 and 18.
- B. Individuals who never submitted an ADEQ Disclosure Statement, complete items 1 through 4, 6, 7, and 16 through 18.
- C. Firms or other legal entities who never submitted an ADEQ Disclosure Statement, complete 1 through 4, and 6 through 18.

If Not Submitting by ePortal, Mail Original to:

ADEQ  
DISCLOSURE STATEMENT  
*[List Proper Division(s)]*  
5301 Northshore Drive  
North Little Rock, AR 72118-5317

1. APPLICANT: (Full Name) Ash Grove Cement Company
2. MAILING ADDRESS (Number and Street, P.O.Box Or Rural Route) : 11011 Cody St., Ste. 300
3. CITY, STATE, AND ZIPCODE: Overland Park, KS 66210

4a. Applicant Type: <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Corporate or Other Entity
4b. Reason for Submission: <input checked="" type="checkbox"/> Permit <input type="checkbox"/> License <input type="checkbox"/> Certification <input type="checkbox"/> Operational Authority <input type="checkbox"/> New Application <input type="checkbox"/> Modification <input checked="" type="checkbox"/> Renewal Application (If no changes from previous disclosure statement, complete number 5 and 18.)
4c. Division: <input type="checkbox"/> Air <input type="checkbox"/> Water <input checked="" type="checkbox"/> Hazardous Waste <input type="checkbox"/> Regulated Storage Tank <input type="checkbox"/> Mining <input type="checkbox"/> Solid Waste

5. Declaration of No Changes: The violation history, experience and credentials, involvement in current or pending environmental lawsuits, civil and criminal, have not changed since the last Disclosure Statement that was filed with ADEQ on _____
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6. Describe the experience and credentials of the Applicant, including the receipt of any past or present permits, licenses, certifications or operational authorization relating to environmental regulation. (Attach additional pages, if necessary.)

Please See Attachment 1.

7. List and explain all civil or criminal legal actions by government agencies involving environmental protection laws or regulations against the Applicant \* in the last ten (10) years including:

1. Administrative enforcement actions resulting in the imposition of sanctions;
2. Permit or license revocations or denials issued by any state or federal authority;
3. Actions that have resulted in a finding or a settlement of a violation; and
4. Pending actions.

(Attach additional pages, if necessary.)

Please See Attachment 2.

\* Firms or other legal entities shall also include this information for all persons and legal entities identified in sections 8-16 of this Disclosure Statement.

8. List all officers of the Applicant. (Add additional pages, if necessary.) Please See Attachment 3.

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

9. List all directors of the Applicant. (Add additional pages, if necessary.) Please See Attachment 4.

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

10. List all partners of the Applicant. (Add additional pages, if necessary.) None.

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

11. List all persons employed by the Applicant in a supervisory capacity or with authority over operations of the facility subject to this application.

NAME: David Dorris TITLE: Plant Manager

STREET: 4343 Hwy 108

CITY, STATE, ZIP: Foreman, AR 71836

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

12. List all persons or legal entities, who own or control more than five percent (5%) of the Applicant's debt or equity.

NAME: Paul Sunderland Trust (10/28/60) TITLE: \_\_\_\_\_

STREET: 11011 Cody St., Ste. 300

CITY, STATE, ZIP: Overland Park, KS 66210

NAME: Sunderland Foundation TITLE: \_\_\_\_\_

STREET: 11011 Cody St

CITY, STATE, ZIP: Overland Park, KS 66210

NAME: Vinton Limited Partnership LLLP TITLE: \_\_\_\_\_

STREET: 11011 Cody St., Ste. 300

CITY, STATE, ZIP: Overland Park, KS 66210

13. List all legal entities, in which the Applicant holds a debt or equity interest of more than five percent (5%). [Please See Attachment 5.](#)

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

14. List any parent company of the Applicant. Describe the parent company's ongoing organizational relationship with the Applicant. [None.](#)

NAME: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

Organizational Relationship:

15. List any subsidiary of the Applicant. Describe the subsidiary's ongoing organizational relationship with the Applicant.

[Please see Attachment 6.](#)

NAME: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

Organizational Relationship:

16. List any person who is not now in compliance or has a history of noncompliance with the environmental laws or regulations of this state or any other jurisdiction and who through relationship by blood or marriage or through any other relationship could be reasonably expected to significantly influence the Applicant in a manner which could adversely affect the environment. None.

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

NAME: \_\_\_\_\_ TITLE: \_\_\_\_\_

STREET: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

17. List all federal environmental agencies and any other environmental agencies outside this state that have or have had regulatory responsibility over the Applicant.

Please See Attachment 7.



## 18. VERIFICATION AND ACKNOWLEDGEMENT

The Applicant agrees to provide any other information the director of the Arkansas Department of Environmental Quality may require at any time to comply with the provisions of the Disclosure Law and any regulations promulgated thereto. The Applicant further agrees to provide the Arkansas Department of Environmental Quality with any changes, modifications, deletions, additions or amendments to any part of this Disclosure Statement as they occur by filing an amended Disclosure Statement.

**DELIBERATE FALSIFICATION OR OMISSION OF RELEVANT INFORMATION FROM DISCLOSURE STATEMENTS SHALL BE GROUNDS FOR CIVIL OR CRIMINAL ENFORCEMENT ACTION OR ADMINISTRATIVE DENIAL OF A PERMIT, LICENSE, CERTIFICATION OR OPERATIONAL AUTHORIZATION.**

**COMPLETE THIS SECTION ONLY IF SUBMITTING OTHER THAN BY EPORTAL:**

I, Curtis Lesslie, certify under penalty of law that this document and all attachments were prepared under my direction or 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 persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violation.

APPLICANT  
SIGNATURE:



TITLE: Vice President - Environmental Affairs

DATE: 11/21/2016

ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

JURISDICTION	LOCATION	PERMIT, LICENSE, ETC.	NUMBER
Arkansas	Foreman	Air	0075-AOP-R18
Arkansas	Foreman	NPDES	AR0042846
Arkansas	Foreman	Solid Waste	0302-S3N
Arkansas	Foreman	Waste Tire Processing	0016-SWTP-R1
Arkansas	Foreman	Above Ground Storage Tanks	Facility ID 41000002 Owner Number 003790
Arkansas	Foreman	RCRA Hazardous Waste	21-H
Idaho	Inkom	Air	Title V (Tier I) T1-2007.0101
Idaho	Inkom (Quarry)	Storm water	EPA MSGP IDR050000
Iowa	Des Moines (Terminal)	Air	32 - AIRO-2015-12968
Kansas	Kansas City (Terminal)	Air	2090089
Kansas	Chanute	Air	1330001 (Title V Permit)
Kansas	Chanute	NPDES	I-NE11-P002 (KS-0001201)
Kansas	Chanute	Current Industrial Waste Landfill	653
Kansas	Chanute	Current CKD Landfill	759
Kansas	Chanute	Waste Tire Processor	2125 WTP
Kansas	Chanute	Solid Waste Processor	868
Kansas	Chanute	RCRA (Part I) KDHE	31203318
Kansas	Chanute	RCRA (Part II) HSWA, EPA	31203318
Kansas	Chanute	Above Ground Storage Tanks	Owner/Facility ID 42664
Louisiana	Alexandria (Terminal)	Air	2360-00063-02
Louisiana	Alexandria (Terminal)	NPDES	LPDES LAG 110019
Louisiana	Shreveport (Terminal)	Air	0500-00100-00
Louisiana	Shreveport (Terminal)	NPDES	LPDES LAG 110018
Montana	Montana City	Air - Construction	MAQP 2005-12

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Montana	Montana City	Air	OP-2005-08
Montana	Montana City	MPDES	MT-0000451
Montana	Montana City	Underground Storage Tanks	Operating Permit 825
Nebraska	Louisville	NPDES	NE0000787
Nebraska	Louisville	Air	Title V - 3102500002
Nebraska	(Weeping Water Quarry)	Air - Construction	CP 03-0014
Nebraska	(Weeping Water Quarry)	NPDES	NE0134228
Nevada	Elko (Terminal)	Air	OP AP5032-2153
Nevada	North Las Vegas (Terminal)	Air	688
Nevada	North Las Vegas (Terminal)	Dust Control	200001131
Oklahoma	OK City (Terminal)	Stormwater Quality (terminal responsible for renewal)	IND 1477
Oregon	Durkee	Air – Title V Permit	01-0029
Oregon	Durkee	NPDES Storm Water Permit 1200-Z	102507 - EPA # ORR21-1070
Oregon	Durkee	NPDES Storm Water Permit 1200-A	102507 - EPA # ORR32-8062 DOGAMI-01-0053
Oregon	Durkee	Waste Tire Storage Site Permit	WTS1266
Oregon	Durkee	Water Rights Permit – Quarry Wells	G-17306 (Replaces G-16250)
Oregon	Durkee	Water Rights Certificate – Quarry Spring	Certificate 40305
Oregon	Durkee	Water Rights Transfer – Plant Wells	60851 - T-10235
Oregon	Lime	NPDES Storm Water Permit 1200-Z	108030 - EPA # ORR21-1613
Oregon	Portland (Terminal)	Air	26-0146-SI-01
Oregon	Portland (Terminal)	Water Truck Wash	1700-B
Oregon	Portland (Terminal)	Water Storm Water	1200-Z
Oregon	Rivergate	Air	26-1891
Oregon	Rivergate	Underground Storage Tanks	26-2979-2016-OPER

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Oregon	Rivergate	NPDES	102465
Texas	Denton (Terminal)	Air	75307
Texas	Denton (Terminal)	SW	TXRNEY991
Texas	Fort Worth (Terminal)	SW	TXR050000
Texas	Fort Worth (Terminal)	Air	110475
Texas	Houston (East Terminal)	Air	51081
Texas	Houston (East Terminal)	SW	TXR05AY92
Texas	Houston (West Terminal)	AIR	38581
Texas	Houston (West Terminal)	SW	TXR05U107
Texas	Midlothian	Air	NSR Permit 1
Texas	Midlothian	Air	Title V Permit O1054
Texas	Midlothian	Water	Stormwater TXR050000
Texas	Midlothian	Ground Water	WG0012230
Texas	Midlothian	Water	Wastewater Treatment 2407
Texas	Midlothian	Waste	Industrial and HW Registration 32941
Texas	Midlothian	Waste	Hazardous Waste Registration 001688
Utah	Leamington	Air	DAQE-AN103030024-16
Utah	Leamington	Air	Title V - 2300015003
Utah	Leamington	Drinking Water	UTAH12039
Benton Clean Air Agency	Kennewick (Terminal)	Air	Annual Registration Fee
City of Seattle Fire Department	Seattle	Non-Exempted Storage Tanks	7-153595
City of Seattle Fire Department	Seattle	Non-Residential Containers	7-153594
City of Seattle Fire Department	Seattle	Above Ground Storage Tanks	7-153593
City of Seattle Fire Department	Seattle	Non-Marine Hot Work	7-153592

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Puget Sound Air Pollution Control Agency	Seattle	Air Operating Permit	Title V - 11339
Puget Sound Clean Air Agency	Seattle	Air- PSD	PSD-90-30-Amendment 3
Washington	Seattle	Water – Storm and Process	4009-05
Washington	Seattle	NPDES	WA-003222-1

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Chanute, KS	9/6/2007	KDHE	<p>K.A.R.28-31-4(j)(1)(a) – Ref 40CFR265-173(a) Liquid waste satellite container not closed</p> <p>K.A.R.28-31-8(a) – Ref 40CFR264-171 HW container not in good condition</p> <p>K.A.R.28-31-8(a) – Ref 40CFR264-173(a) Lid not secured on buckets</p> <p>K.S.A.65-3441(3) – MACT Permit Section L-5.2 the AWFCO system operability not performing</p>	Letter dated 10/10/2007 to KDHE outlines corrective actions in order to remain in compliance.
Chanute, KS	2/7/2008	KDHE	<p>K.A.R.28-31-4(b) Failure to make HW determination on batteries</p> <p>40CFR264-173/40CFR265.173 Failure to close HW storage container</p> <p>40CFR273-13(d) Failure to store waste lamps in a closed container</p> <p>40CFR273.14 Failure to label box of waste lamps</p> <p>40CFR273.15 Failure to demonstrate length of time of waste lamp</p> <p>40CFR273.15 Accumulated universal waste for longer than one year</p>	3/25/2008 letter from KDHE and letter from EPA Region 7 dated 4/28/2008, states that all violations have been adequately addressed in our letter dated 2/19/2008 to KDHE and our letter to EPA dated 4/10/2008.

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<b>Location of Facility</b>	<b>Date Issued</b>	<b>Issuing Agency</b>	<b>Violations Alleged</b>	<b>Disposition</b>
Chanute, KS	8/5/2008	KDHE	KDHE issued consent order CAO E-08-0082 for failure to conduct required opacity measurements and for having the monitoring equipment operable as intended. CAO E-08-0082 was issued.	Letter to KDHE from AGC Counsel dated 5/08/2009, states that all conditions of the order have been met and compliance is complete.
Chanute, KS	12/17/2009	FRA - U.S. DOT	49CFE173.31(d)(1)(iv) for a tank car failing inspection.	AGC sent letter 1/28/2010 to U.S. DOT disputing the penalty amount.
Chanute, KS	9/30/2013	KDHE	40CFE262.34(a)(2) Accumulation start date not on waste storage buckets 40CFE262.34(a) for Waste not placed in a container	Letter dated 10/24/2013 from KDHE states that all deficiencies were addressed.
Chanute, KS	12/13/2013	KDHE	K.S.A. 65-3001 Consent Agreement Order (CAO) was executed with Case # 13-E-15 BOA for failure to comply with automatic waste feed cutoff requirements.	Letter dated 4/23/2014 from KDHE says that all requirements of the CAO have been satisfied and is terminated.
Chanute, KS	9/26/2014	KDHE	40CFR264.35 Aisle space was not maintained 40CFR264.52(d) Contingency plant not up to date	Letter dated 10/28/2014 from KDHE states that all deficiencies were addressed.

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<b>Location of Facility</b>	<b>Date Issued</b>	<b>Issuing Agency</b>	<b>Violations Alleged</b>	<b>Disposition</b>
Chanute, KS	7/17/2015	KDHE	40CFR262.40(c) Not maintaining waste stream records 40CFR264.15(d) Not recording a notation of observations made during inspections 40CFR264.16(b) Not completing training	Letter dated 8/21/2015 from KDHE states that all deficiencies were addressed.
Chanute, KS	9/28/2015	FRA - USDOT	Tank car contained a residue and was incorrectly placarded COMBUSTIBLE on the left side and 1 of 6 manway swing bolts were not tool-tight.	Only received non compliance notice; no violation is recommended and written notice to FRA for action is deemed optional.
Chanute, KS	9/22/2016	KDHE	40CFR273.13(d)(1) Universal waste lamp storage box not closed 40CFR265.173(a) Satellite accumulation container not labeled 40CFR264.173(a) Waste Pail not closed 40CFR264.171 Waste pail not in good condition	Letter dated 11/1/2016 states that all deficiencies were addressed.
Chanute, KS	9/29/2016	KDHE	Failure to submit the July 31, 2016 semi-annual report in a timely manner.	Pending



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<b>Location of Facility</b>	<b>Date Issued</b>	<b>Issuing Agency</b>	<b>Violations Alleged</b>	<b>Disposition</b>
Denton, TX	7/15/2011	TCEQ	30TAC Chapter 290.41(a) – Failure to provide a flow measuring device for the well. 30TAC Chapter 290.46 – Failure to record water usage amounts on a weekly basis.	AGC sent letter dated 9/16/2011 in response to the violation. TCEQ sent letter dated 10/05/2011 that states no further action is required.
Durkee, OR	5/31/2006	ODEQ	OAR340-102-0011-40CFR262.11 Waste determination must be performed on used oil filters 40CFR279.22(c)(1) Labels are to be on all containers and tanks OAR340-111-0032(2) Used oil containers were not closed OAR340-142-0030(c)(3) releases were not cleaned	Letter from ODEQ dated 7/20/2006 states that all deficiencies were addressed.
Foreman, AR	3/13/2006	ADEQ	Secondary Violation of APC&EC Regulation NO. 23 1) Permit 21H, Module IV.C Failure to maintain 100,000 gal LWDF tank storage area secondary containment system in accordance with drawings 2) Permit 21H, Module IV.C Failure to remove accumulated liquids from the LWDF tank storage area tank truck unloading station sump	ADEQ Letter dated 6/20/2006 states both secondary violations have been closed.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Foreman, AR	5/25/2006	ADEQ	CAO LIS 06-075 HC1/Cl <sub>2</sub> exceeds the permitted limits.	Letter dated 1/26/2007 from ADEQ states that the CAO has been closed.
Foreman, AR	5/25/2006	ADEQ	CAO LIS 06-075 CH1/Cl <sub>2</sub> exceeds the permitted limits.	Letter dated 1/26/2007 from ADEQ states that the CAO has been closed.
Foreman, AR	8/29/2006	ADEQ	Secondary Violation of APC&EC Regulation NO. 23 1) Permit 21H, Module IV.C Failure to maintain 25,000 gal LWDF tank storage area secondary containment system in accordance with drawings 2) APC&EC Regulation NO.23 Section 279.22(c )1 Failure to label containers and tanks used to store used oil 3) APC&EC Regulation NO.23 Section 264.16(f)(1) Failure to ensure designated Emergency Response Coordinators are certified Hazardous Waste Facility Operators.	Response sent on 12/12/2006 stating all "violations" have been resolved. No re-response back from ADEQ.
Foreman, AR	2/21/2007	ADEQ	APC&EC Reg. No.23 Section 254.171 – Failure to transfer hazardous waste from a container that is leaking.	Response sent on 5/2/2007 stating all "violations" have been resolved. No re-response back from ADEQ.
Foreman, AR	9/7/2007	ADEQ	1) Permit 21H-RN1 Module VII.A B.4 & Module VII.B B.4 – Blending waste to augment the heating value	CAO LIS 08-030 executed on 4/10/2008 (effective date 5/10/2008) in Accordance with paragraph 14 of the CAO & Agreement.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			2) Permit 21H-RN1 Module II.C – Failure to follow the approved waste analysis plan	
Foreman, AR	1/23/2008	ADEQ	APC&EC Reg. No.23 Section 262.34(a)(2) – Failure to mark the date upon which the accumulation begins on each container of hazardous waste.	AGC Response 03/19/2008 stating all “violations” have been resolved. No re-response back from ADEQ.
Foreman, AR	3/19/2008	ADEQ	CAO LIS 08-030 APC&EC Regulation 23 Blending waste to augment heating value and Failure to follow approved waste analysis plan for storage of Mercury(II) Nitrate in the LWDF area.	5/28/2008, AGC sent payment of \$17,400.00 to ADEQ and sent letter dated 6/27/2008 providing SOPs and a modification request to rectify the deficiencies and to close the order.
Forman, AR	3/19/2008	ADEQ	CAO LIS 08-030 Violations APC&EC Regulation 23 Blending waste to augment heating value and Failure to follow approved waste analysis plan for storage of Mercury(II) Nitrate in the LWDF area.	5/28/2008, AGC sent payment of \$17,400.00 to ADEQ and sent letter dated 6/27/2008 providing SOPs and a modification request to rectify the deficiencies.
Foreman, AR	7/16/2008	ADEQ	APC&EC Reg. No.23 Section 264.173(a) – Failure to keep a container of hazardous waste closed except when necessary.	AGC Response 10/07/2008 ADEQ Responses to response on 10/21/2008; “violation” closed.
Foreman, AR	7/16/2008	ADEQ	APC&EC Reg. No.23 Section 264.173(a) – Failure to keep a container of hazardous waste closed except when necessary.	AGC Response 10/07/2008 ADEQ Responses to response on 10/21/2008; “violation” closed.

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<b>Location of Facility</b>	<b>Date Issued</b>	<b>Issuing Agency</b>	<b>Violations Alleged</b>	<b>Disposition</b>
Foreman, AR	3/26/2009	ADEQ	APC&EC Reg. No.23 Section 262.24(c) – Failure to comply with all state and federal regulations governing the transportation of hazardous wastes in Arkansas.	AGC Response 07/19/2009 ADEQ Responses to response on 08/24/2009; "violation corrected".
Foreman, AR	3/26/2009	ADEQ	APC&EC Reg. No.23 Section 262.24(c) – Failure to comply with all state and federal regulations governing the transportation of hazardous wastes in Arkansas.	AGC Response 07/19/2009 ADEQ Responses to response on 08/24/2009; "violation corrected".
Foreman, AR	7/27/2011	ADEQ	APC&EC Reg. No.23 Section 262.34(a)(3) – Failure to label a container of hazardous waste.	AGC Response 09/16/2011 ADEQ Responses to response on 09/26/2011; "violation corrected".
Foreman, AR	7/27/2011	ADEQ	APC&EC Reg. No.23 Section 262.34(a)(3) – Failure to label a container of hazardous waste.	AGC Response 09/16/2011 ADEQ Responses to response on 09/26/2011; "violation corrected".
Foreman, AR	7/27/2011	ADEQ	APC&EC Reg. No.23 Section 262.34(a)(2) – Failure to place the accumulation start date on a container of hazardous waste.	AGC Response 09/16/2011 ADEQ Responses to response on 09/26/2011; "violation corrected".
Foreman, AR	7/27/2011	ADEQ	APC&EC Reg. No.23 Section 264.173(a) – Failure to keep a container of hazardous waste closed during storage.	AGC Response 09/16/2011 ADEQ Responses to response on 09/26/2011; "violation corrected".
Foreman, AR	7/27/2011	ADEQ	APC&EC Reg. No.23 Section 264.173(b) – Failure to manage a container of hazardous waste during storage so as to prevent leakage.	AGC Response 09/16/2011 ADEQ Responses to response on 09/26/2011; "violation corrected".

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Foreman, AR	2/13/2013	ADEQ	APC&EC Reg. No.23 Section 268.50(a)(2)(i) – Failure to clearly mark each container to identify its contents and the date each period of accumulation begins.	AGC Response 04/02/2013 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	9/4/2013	ADEQ	CAO LIS-13-154 Exceeding the permitted BACT VOC Limits	11/25/2013, AGC sent payment of \$2,800.00 to ADEQ. Received letter from ADEQ dated 12/20/2013 stating that the CAO has been closed.
Foreman, AR	9/4/2013	ADEQ	CAO LIS-13-154 Exceeding the permitted BACT VOC Limits	11/25/2013, AGC sent payment of \$2,800.00 to ADEQ. Received letter from ADEQ dated 12/20/2013 stating that the CAO has been closed.
Foreman, AR	1/15/2014	ADEQ	APC&EC Reg. No.23 Section 270.42(b)(1) – Failure to submit a class 2 permit modification to the Director.	AGC Response 02/27/2014 ADEQ executed CAO LIS 14-056 on 5/22/14. 5/27/2014, AGC sent payment of \$4,000.00 to ADEQ
Foreman, AR	8/18/2014	ADEQ	APC&EC Reg. No.23 Section 262.34(c)(1)(ii) – Failure to mark containers either with the words “Hazardous Waste” or with words that identify the contents of the container.	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	8/18/2014	ADEQ	APC&EC Reg. No.23 Section 265.173(a) – Failure to keep all containers closed during storage, except when it is necessary to add	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			or remove waste.	
Foreman, AR	8/18/2014	ADEQ	APC&EC Reg. No.23 Section 268.50(a)(2)(i) – Failure to clearly mark each container to identify its contents and the date each period of accumulation begins.	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	8/18/2014	ADEQ	APC&EC Reg. No.23 Section 264.1056(a)(2) – Failure to have single-valved open lines capped, blind-flanged, plugged, or second-valved to seal the open end at all times except during operations requiring hazardous waste stream flow through the open-ended line.	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	8/18/2014	ADEQ	Permit 21H-RN1, Module IV.C - Failure to maintain secondary containment free of cracks and gaps.	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	8/18/2014	ADEQ	APC&EC Reg. No.23 Section 273.13(a)(1) - Failure to contain damaged universal waste spent battery in a closed container.	AGC Response 10/24/2014 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section 262.42(a)(2) - Failure to submit an exception report to the Director when a final copy of the manifest with the signature of the designated facility has not been received within 45 days after the waste was accepted by the initial transporter.	AGC Response 03/02/2015 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section 265.173(a) – Failure to keep all SAA containers closed except when it is necessary to add or remove waste.	AGC Response 03/02/2015 stating that all “violations” have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section	AGC Response 03/02/2015 stating that all

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			268.173(a)(2)(i) – Failure to clearly mark each container to identify its contents and the date each period of accumulation begins.	"violations" have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section 264.193(c)(4) – Failure to remove accumulated precipitation from the secondary containment system within 24 hours.	AGC Response 03/02/2015 stating that all "violations" have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section 264.1056(a)(1) – Failure to have each open-ended valve or line equipped with a cap, plug, or second valve.	AGC Response 03/02/2015 stating that all "violations" have been corrected. No response back from ADEQ.
Foreman, AR	1/6/2015	ADEQ	APC&EC Reg. No.23 Section 273.15(c) - Failure to demonstrate the length of time that universal waste has been accumulated from the date it becomes a waste.	AGC Response 03/02/2015 stating that all "violations" have been corrected. No response back from ADEQ.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No.23 Section 265.173(a) – Failure to keep all SAA containers closed except when it is necessary to add or remove waste.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No 23 Section 262.34(c)(1)(ii) – Failed to mark containers with the proper identifying words of the contents.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and

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				that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No 23 Section 265.174 – Failed to inspect area that containers are stored on a weekly basis.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 264.16(c) & Module II.F. – Failed to have employees receive RCRA training and Semi-Annual Refresher RCRA training.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied. further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 264.16(c) & Module II.F. – Failed to have employees receive RCRA training and Semi-Annual Refresher RCRA training.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied. further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 264.72(c), 264.71, 264.72, and 264.76 – Failure to reconcile weight discrepancy with the waste generator or transporter and failed to notify the ADEQ Director if not resolved within specified time.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.



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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No.23 Section 264.1056(a)(1) and Reg.23 Section 264, Subsection AA, BB, and CC – Failure to equip open-ended valve or line with a cap, blind flange, plug, or second valve.	L Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 270.42(a)(1)(i) – Failed to notify the ADEQ Director of modification within 7 days.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 270.42(a)(1)(i) – Failed to notify the ADEQ Director of modification within 7 days.	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section 279.22(c)(1) – Failed to clearly mark containers with "Used Oil".	Letter dated 8/24/2015 from ADEQ to AGC asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	7/22/2015	ADEQ	APC&EC Reg. No. 23 Section	Letter dated 8/24/2015 from ADEQ to AGC

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			264.173(a) and Module III.E – Failed to clearly mark used oil containers found in trash with “Used Oil”.	asks for a corrective action plan be sent in 30 days and resulted in CAO LIS 16-003. AGC response was sent on 09/23/2015 and 10/16/2015. Received DEQ response on 02/25/2016 stating that no further action is required and that the CAO has been satisfied.
Foreman, AR	5/16/2016	ADEQ	APC&EC Reg. No.23 Section 265.173(a) – Failure to keep all SAA containers closed except when it is necessary to add or remove waste.	ADEQ letter dated 6/20/2016 asks for correction action plan be sent in 30days. 6/20/2016 AGC sent response outlining corrective actions. ADEQ letter to AGC dated 8/1/2016 states that all violations have been corrected.
Foreman, AR	5/16/2016	ADEQ	APC&EC Reg. No. 23 Section 264.14(b)(2)(ii) and Permit 21H-RN1 Module II.D. – Failure to keep SWDF storage bldg entry doors locked when not in use/unattended.	ADEQ letter dated 6/20/2016 asks for correction action plan be sent in 30days. 6/20/2016 AGC sent response outlining corrective actions. ADEQ letter to AGC dated 8/1/2016 states that all violations have been corrected.
Foreman, AR	5/16/2016	ADEQ	APC&EC Reg. No. 23 Section 264.195(b)(3) and Permit 21H-RN1 Module IV.F.1. – Failure to maintain secondary containment systems free of cracks and gaps.	ADEQ letter dated 6/20/2016 asks for correction action plan be sent in 30days. 6/20/2016 AGC sent response outlining corrective actions. ADEQ letter to AGC dated 8/1/2016 states that all violations have been corrected.
Foreman, AR	5/16/2016	ADEQ	APC&EC Reg. 23 Section 264.195(b)(3) and Permit 21H-RN1 Module IV.F.1. – Failure to inspect tank systems at least once each operating day.	ADEQ letter dated 6/20/2016 asks for correction action plan be sent in 30days. 6/20/2016 AGC sent response outlining corrective actions. ADEQ letter to AGC dated 8/1/2016 states that all violations have been corrected.
Inkom, ID	1/16/2008	IDEQ	CAO was issued for PM Emissions limit was exceeded per 10.4 40CFR60, Subpart F, PM limit for Kiln 1	Letter dated 3/31/2008 and payment of \$5,600.00 was sent to IDEQ in response to close the order.

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Ash Grove Cement Company

Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Inkom, ID	11/19/2008	IDEQ	CAO issued for PM exceedance on Kiln 1 and Permit condition 10.4 40CFR60, Subpart F, PM limit for Kiln 1	Letter dated 3/16/2009 and payment of \$11,200.00 was sent to IDEQ in response to close the order.
Leamington, UT	4/30/2013	UTDAQ	D/F emissions exceeded limits set forth in the permit.	Letter dated 6/22/2003 and payment of \$6,000.00 resolves this violation.
Leamington, UT	1/26/2016	UTDAQ	D/F emissions during the mill off test of the main kiln stack exceeded the allowed permit limit.	Letter dated 2/12/2016 and payment of \$8,000.00 resolves this violation.
Louisville, NE	7/30/2012	NEDEQ	Exceeding the PM operating permit and NESHAP LLL limit at the ACL clinker stack. Exceeding 45day test report submittal requirement.	Letter dated 6/27/2012 to NEDQ states AGC's corrective actions are to return the ACL to compliance and gives the scheduled date of 7/31/2012 for another performance test. Letter from NEDQ dated 7/30/2012 says that the response is not adequate and that a revision to the operations and/or maintenance plan should be made. AGC sent letter dated 8/17/2012 maintaining that the plan for compliance described in the previous letter was indeed adequate. It also outlined that they have implemented assistance with an outside monitoring lab to put in place an alternative instrument used to detect smaller traces of PM. An offer was made to discuss further

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
				by phone.
Montana City, MT	10/05/2006	MDEQ	VLJR-06-23 Failure to conduct Source Performance Test in a timely manner. Failure to provide Source Test Protocol prior to actual Source Test. Exceeded the D/F emission limits set by the permit.	Letter dated 10/15/2007 confirms that payment was made of \$4,400 so long as a new pulse jet dust collection system is purchased, constructed, and installed prior to 6/1/2008. Letter dated 6/2/2008 was sent to MDEQ with final documentation of the installation of the new dust collection system to resolve this violation.
Montana City, MT	6/17/2010	MDEQ	Failure to submit monthly DMR.	Notice states that the samples were lost and nothing can be done to correct the violation.
Montana City, MT	1/14/2011	MDEQ	40CFR141.85(d) Failure to provide lead consumer notice and report as specified in the permit.	Letter dated 3/8/2011 from MDEQ stating that AGC is again in compliance, as the required consumer notification was received with AGC letter to MDEQ dated 1/19/2011.
Montana City, MT	3/10/2011	MDEQ	Failure to properly report annual inspection information and failure to sign the report.	Notice states that a corrected CER must be submitted by 4/29/2011. AGC re-submitted CER on 3/11/2011.
Montana City, MT	4/21/2011	MDEQ	Reported pH amount exceeds permit limits.	Notice states that if not accurate to provide documentation by 5/31/2011. AGC responded with letter dated 5/25/2011 that follows up a meeting with MDEQ in a meeting on 5/14/2011 providing documentation of SOPs and sample results that resolves this violation.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Montana City, MT	4/22/2011	MDEQ	Monitoring parameters or the DMR were not reported or were reported late for the specific monitoring period.	Notice states that a submittal of information must be received by 5/19/2011 with an explanation of why the monitoring parameters or DMRs were not reported. Cover letter dated 3/24/2011 included with the DMR for February explained why they were not reported.
Montana City, MT	5/20/2011	MDEQ	Monitoring parameters were exceeded for Solids, Total Suspended on DMR.	Letter dated 6/6/2011 to MDEQ gives explanation of exceedance and a summary of a phone discussion that took place on 6/1/2011 to resolve the NOV. Letter from MDEQ dated 4/12/2011 is a summary of the violation.
Montana City, MT	5/21/2011	MDEQ	Failed to report Solids, Total Suspended on DMR	Notice states a revised DMR or documentation must be submitted by 7/17/2011. AGC responded with letter dated 5/25/2011 that follows up a meeting with MDEQ in a meeting on 5/14/2011 providing documentation of SOPs and sample results that resolves this violation along with one issued on 4/21/2011.
Midlothian	3/12/2008	TCEQ	Docket 2008-0407-AIR-E; Case 35525 30TAC Chapter 122.146(1)(2) Failure to submit the required annual compliance certification between Oct 13, 2006 and Oct 12, 2007.	TCEQ letter dated 11/02/2009 states that our penalty paid of \$6,690.00 and our timely submitted reports terminates the order.

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Ash Grove Cement Company

Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			30TAC Chapter 122.145(2)(A)(B)(C) 30TAC Chapter 122.146(1)(2) Failed to timely submit required deviation report between Oct 13, 2006 and April 12, 2007 and April 13, 2007 and Oct 12, 2007.	
Midlothian, TX	4/07/2008	TCEQ	30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with opacity limit.	Letter dated 6/12/2008 from TCEQ asks for outlined procedures to within 30 days to prevent future exceedance. AGC sent letter dated 2/23/2009 explaining the upset and that any new console operators would go through more training. Letter dated 2/26/2009 states that no further action is required.
Midlothian, TX	9/19/2008	TCEQ	30TAC Chapter 111.111(a)(1)(B) 5C THSC Chapter 382.085(b) Failure to comply with opacity limits.	Letter dated 10/21/2008 letter from TCEQ asked for planned corrective actions of violations. AGC sent letter dated 11/10/2008 explaining the exceedance and plans on avoiding any in the future. TCEQ letter dated 1/05/2009 states that no further action is required.
Midlothian, TX	10/15/2008	TCEQ	30TAC Chapter 111.111(a)(1)(B) 5C THSC Chapter 382.085(b) Failure to comply with opacity limits.	Letter dated 12/04/2008 from TCEQ asked for planned corrective actions of violation. AGC sent letter dated 2/19/2009 to explain the exceedance and plans on avoiding any in the future. Letter from TCEQ dated 4/09/2009 states

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
				that no further action is required.
Midlothian, TX	01/09/2009	TCEQ	30TAC Chapter 305.125(1) Failure to ensure flow measurement accuracy. Failure to comply with the effluent permit limits for TSS, pH, and Total Residual Chlorine Failure to meet the daily maximum flow limit as established in the permit.	Sent TCEQ a letter dated 2/9/2009 that addressed each violation. Received letter from TCEQ dated 3/6/2009 that states that no further action is required.
Midlothian, TX	2/20/2009	TCEQ	30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with opacity limits.	TCEQ letter dated 4/09/2009 asks for a written corrective plan. AGC letter dated 4/16/2009 explains the upset. Letter from TCEQ dated 5/15/2009 states that no further action is required.
Midlothian	4/03/2009	TCEQ	30TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b) Failure to record the pressure drop for fabric filter Unit 5-2A, cement storage silos 3 for 10 days between 5/07/07 and 11/07/07 30TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b) Failure to record pressure drop for fabric filter Unit 2-9, cement kiln dust silo 3 and pug mill dust collector for 106 days between	Letter dated 4/3/2009 from TCEQ asks for planned corrective actions of violations and compliance documentation. AGC sent deviation report on 5/1/2009. TCEQ confirmed that documents were received in letter dated 6/23/2009. DOCKET 2009-0501-AIR-E was issued 9/02/2009 to fine \$5,725.00. Payment of \$5,725.00 was sent by AGC to TCEQ on 9/11/2009. Agreed order from TCEQ dated 11/04/2009

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			<p>5/07/07 and 11/07/07</p> <p>30TAC Chapter 122.143(4)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Permit holder shall comply with periodic monitoring requirements as specified</p> <p>30TAC Chapter 122.143(4)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to perform monthly Method 9 readings between 5/07/07 and 11/07/07</p> <p>30TAC Chapter 122.145(2)(A)</p> <p>5C THSC Chapter 382.085(a)</p> <p>Failure to include deviation for submitting Deviation Report for 11/8/07 and 4/10/08</p> <p>30TAC Chapter 116.115(c)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to submit quarterly excess emission reports for 3<sup>rd</sup> and 4<sup>th</sup> Qtr 2007</p> <p>30TAC Chapter 116.115(c)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to submit quarterly excess emission reports by the due date.</p> <p>30TAC Chapter 122.146(1)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to submit permit</p>	<p>was sent to AGC.</p> <p>Letter dated 2/08/2010 from TCEQ states that AGC has met all requirements from the order and will have it terminated.</p>



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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			<p>compliance certification between 5/07/07 and 10/12/07.</p> <p>30TAC Chapter 122.145(2)(B)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to submit a deviation report between 11/08/07 and 4/10/08.</p>	
Midlothian, TX	2/26/2010	TCEQ	<p>Docket 2010-0332-IWD-E</p> <p>Failure to comply with permit effluent limits for TSS during Sept 30-Oct31 2009.</p> <p>Failure to comply with other permit effluent limits during Nov 2008 and Oct 2009.</p>	<p>Letter dated 3/31/2010 from TCEQ included the docket and the requested settlement payment.</p> <p>4/27/2010 check payment in the amount of \$2,216.00.</p> <p>Letter dated 10/29/2010 from TCEQ states that we have fulfilled the requirements of the order.</p>
Midlothian, TX	6/17/2010	TCEQ	<p>30TAC Chapter 122.146(2)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to submit an annual permit compliance certification.</p> <p>30TAC Chapter 122.143(4)</p> <p>5C THSC Chapter 382.085(b)</p> <p>Failure to record the pressure drop on Unit 32, CKD Silo Baghouse on a weekly basis for 21 weeks between Oct 13, 2008 and April 10, 2009.</p>	<p>Docket 2010-1402-AIR-E-SOAH Docket 582-11-4292 was sent to AGC from TCEQ dated 8/29/2011.</p> <p>AGC sent payment of \$10,975.00 to TCEQ on 11/23/2011.</p> <p>TCEQ sent letter dated 4/26/2012 that the violations have been resolved and that no further action is required.</p> <p>AGC sent letter dated 4/27/2012 to TCEQ outlining tasks that are used to prevent any other occurrences.</p>
Midlothian, TX	6/29/2010	TCEQ	<p>30TAC Chapter 111.111(a)(1)(B)</p> <p>5C THSC Chapter 382.085(b)</p>	<p>Letter from TCEQ dated 11/16/2010 was sent notifying of the NOV.</p>

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			Failure to comply with opacity limits.	AGC sent letter dated 12/21/2010 explaining the upset and gave outline of corrective action.  Received letter dated 6/16/2011 from TCEQ that all corrective actions have been fulfilled and nothing more is required.
Midlothian, TX	12/9/2010	TCEQ	Not checking against the chlorine standards daily. Gel standards have expired. Manganese oxide correction not being performed. Effluent Violations Notification forms were not submitted for exceedance over permit limit. Sludge manifest indicates "septic tank" waste. Tall plant growth on pond walls.	Sent TCEQ a letter dated 12/21/2010 that addressed each violation.  Received letter from TCEQ dated 1/21/2011 that stated that no further action is required.
Midlothian, TX	2/17/2011	TCEQ	30TAC Chapter 122.143(4) 30TAC Chapter 122.145(2)  5C THSC Chapter 382.085(b) Failure to report deviations. 30 TAC Chapter 116.115(c) 30 TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b) Failure to maintain records of stamler feeder, outside hopper,	4/28/2011 letter from TCEQ to AGC requires an outline of corrective actions planned.  Letter dated 5/19/2011 from AGC to TCEQ outlines all corrective actions planned to prevent future occurrences.  10/6/2011 letter from TCEQ states that no further action is required.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			<p>hammer mill/coal crusher, and kiln clinker throughputs in a rolling 12 month format.</p> <p>30 TAC Chapter 116.115(c) 30TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b)</p> <p>Failure to maintain records of daily visible emissions observations for the fabric filter baghouses on the cement silos.</p> <p>30TAC Chapter 101.201(b)(2) 30TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b)</p> <p>Failure to maintain all of the required information in the final record of non-reportable emissions events.</p>	
Midlothian, TX	3/11/2011	TCEQ	<p>30TAC Chapter 101.201(a) Failure to submit notification within 24 hours of an emission event. 30TAC 111.111(a)(1)(B) Exceeding opacity limit over a six-minute period.</p>	<p>Exit interview conducted on 3/3/2011 resulted in NOV's.</p> <p>Letter dated 3/30/2011 from AGC to TCEQ outlines corrective actions taken.</p> <p>TCEQ letter dated 6/30/2011 states that all required corrective actions have been fulfilled.</p>
Midlothian, TX	8/02/2011	TCEQ	<p>30TAC Chapter 101.201(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to submit an opacity event</p>	<p>Letter dated 10/06/2011 from TCEQ states that adequate corrective action has been taken to resolve the violations and that nothing further is required.</p>

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			notification within 24hrs of discovery. 30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with the opacity limit.	
Midlothian, TX	1/27/2012	TCEQ	30TAC Chapter 116.115(b)(2)(F) 30TAC Chapter 116.115(c) 30TAC Chapter 122.143(4) 5C THSC Chapter 382.085(b) Failure to comply with combined kiln short-term SO2 emission limits. 30TAC Chapter 122.143(4) 30TAC Chapter 122.146(5)(C) 5C THSC Chapter 382.085(b) Failure to include all required information in a deviation report.	Letter dated 4/26/2012 from TCEQ states that adequate corrective action has been taken to resolve the violations and that nothing further is required.
Midlothian, TX	2/26/2012	TCEQ	30TAC Chapter 101.201(e) 5C THSC Chapter 382.085(b) Failure to submit initial notification for an excess opacity event no later than 24 hours after discovery. 30TAC Chapter 101.20(1) 30TAC Chapter 111.111(a)(1)(B) 40CFR Chapter 60.62(a)(2)	Letter dated 4/26/2012 states that adequate corrective action has been taken to resolve the violations and that nothing further is required.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
			5CTHSC Chapter 382.085(b) Failure to comply with the opacity limits. 30TAC Chapter 101.20(1) 40CFR Chapter 60.62(b)(2) 5CTHSC Chapter 382.085(b) Failure to comply with opacity limits.	
Midlothian, TX	9/05/2012	TCEQ	30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with opacity limit..	Letter dated 9/20/2012 from TCEQ states that adequate corrective action has been taken to resolve the violations and that nothing further is required.
Midlothian, TX	12/13/2012	TCEQ	30TAC Chapter 122.145(2) 5C THSC Chapter 382.085(b) Failure to report all instances of deviations, the probable cause of the deviations, and any corrective actions or preventative measures taken for each emission unit addressed in the Title V permit.	AGC sent a supplemental deviation reported dated 10/01/2013 and all corrective actions have been taken place to resolve the violation, per letter dated 3/13/2014 from TCEQ.
Midlothian, TX	01/31/2013	TCEQ)	CAFO – EPCRA-06-2013-0505 Failure to timely submit Form R (TRI) for RY 2007	Letter dated 2/26/2013 was sent with payment of \$16,250.00 to settle and close the CAFO.
Midlothian, TX	9/19/2013	TCEQ	30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with opacity limit.	Letter dated 2/05/2014 from TCEQ states that adequate corrective action has been taken to resolve the violations and that nothing further is required.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Midlothian, TX	3/26/2015	TCEQ	30TAC Chapter 116.115(c) 5C THSC Chapter 382.085(b) Failure to submit a quarterly excess emissions report within 30 days from the end of the calendar quarter.	Report was one day late. Violation has been resolved per letter dated 8/13/2015 from TCEQ.
Midlothian, TX	7/14/2015	TCEQ	30TAC Chapter 111.111(a)(1)(A) 5C THSC Chapter 382.085(b) Failure to comply with opacity limits.	Kiln 1 was permanently decommissioned in 2014 and now operates a dry reconstructed Kiln 3. Violation has been resolved in letter dated 10/29/2015.
Midlothian, TX	11/30/2015	TCEQ	30TAC Chapter 122.145(2) 5C THSC Chapter 382.085(b) Failure to timely report all instances of deviations of the Title V permit.	Report was one day late. Violation has been resolved per letter dated 2/09/2016 from TCEQ.
Portland, OR	11/28/2011	City of Portland	Annual holding tank evaluation is required per OAR 340-071-0120. Inspection is due each August.	E-mail dated 12/05/2011 explained why the permit was not renewed or inspected. States that manager spoke to the contact at the city and the fee was paid and an inspection performed, this violation has been satisfied.
Ridgelawn, MT	10/02/2014	MDEQ	Failure to maintain records Failure to conduct and document inspections Failure to properly install and/or implement Best Mgmt Practices Failure to properly operate and maintain Best Mgmt Practices	AGC sent letter dated 10/30/2014 outlining corrective actions. MDEQ sent letter dated 11/17/2014 stating that all violations have been satisfied.

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Seattle, WA	3/06/2008	PSCAA	3-004758 - PM emissions from the main baghouse exhaust exceeded permit limits.	AGC sent response dated 9/5/2008 outlining corrective actions. PSCAA sent letter dated 1/15/2009 that closes this violation.
Seattle, WA	3/7/2008	PSCAA	3-004169 - PM emission from the main baghouse exhaust exceeded permit limits.	AGC sent response dated 9/5/2008 outlining corrective actions. PSCAA sent letter dated 1/15/2009 that closes this violation.
Seattle, WA	5/15/2008	PSCAA	3-004168 - PM emission from the main baghouse exhaust exceeded permit limits.	AGC sent response dated 9/5/2008 outlining corrective actions. PSCAA sent letter dated 1/15/2009 that closes this violation.
Seattle, WA	3/03/2009	Dept of Ecology	RCW 90.48.160 – Discharging stormwater from an industrial activity w/o an NPDES Permit.	Ash John About this one.
Seattle, WA	7/03/2010	PSCAA	3-004193 - Failure to develop and implement an operation and maintenance plan. Emission of fugitive dust without using reasonable precautions.	AGC sent response dated 9/2/2010 outlining corrective actions. PSCAA sent letter dated 10/27/2010 that closes this violation.
Seattle, WA	8/27/2011 11/26/2011	PSCAA	3-006364 - Failure to submit complete copies of reports as an e-mail attachment. Failure to provide 60days prior notice of any NESHAP performance test.	AGC sent response by email on 9/13/2012 that acknowledges the report was not sent in a timely manner and that steps are in place to prevent future occurrences. Received letter from PSACC dated 11/20/2012 that this violation is closed.

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Location of Facility	Date Issued	Issuing Agency	Violations Alleged	Disposition
Seattle, WA	6/06/2012	PSCAA	3-006262 - Failure to submit complete copies of reports as an e-mail attachment.  Failure to provide 60days prior notice of any NESHAP performance test.	AGC sent response by email on 6/27/2012 that shows an auto-reply e-mail from PSCAA dated 12/22/2011 that the test was actually received within the allowed time.  Email dated 11/20/2012 shows that this violation rescinds and is replaced by 3-006364 due to an incorrect date.  Received letter from PSACC also dated 11/20/2012 states that this violation is closed.
Seattle, WA	6/12/2012	PSCAA	3-006360 - Failure to submit complete copies of reports as an e-mail attachment.	AGC sent response by email on 6/28/2012 that acknowledges the report was not sent in a timely manner and that steps are in place to prevent future occurrences.  Email dated 10/12/2012 shows that this violation rescinds and is replaced by 3-006361.
Seattle, WA	6/26/2012	PSCAA	3-006263 - Exceedance was reported for opacity limits greater than 5% for each one hour average.	AGC sent response by email on 7/16/2012 explaining that the occurrence qualifies as "unavoidable" under WAC 173-400-107, as major repairs were being performed which disturbed dust. GAP Vax was used to cleanup when the maintenance was completed.  PSCAA sent letter dated 10/09/2012 closing this violation.
Seattle, WA	9/14/2012	PSCAA	3-006361 - Failure to submit complete copies of reports as an e-mail attachment.	AGC sent response by email on 10/12/2012 that acknowledges the report was not sent in a timely manner and that steps are in



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				place to prevent future occurrences. Received letter from PSCAA on 12/28/2012 issuing a \$1,000 penalty, case # 12-302CP filed. AGC sent payment of \$1,000 and received letter from PSCAA dated 2/19/2013 acknowledging that payment was received, closing this violation.
Seattle, WA	5/29/2013	PSCAA	3-005871 – Exeedance was reported for opacity limits greater than 5% for each one hour average from the Kiln stack.	AGC sent letter dated 9/15/2013 in response stating corrective actions. Received letter dated 1/16/2014 from PSCAA closing the violation.
Seattle, WA	7/11/2013	PSCAA	3-006726 - Allowed the emission of an air contaminant from the kiln stack greater than 5% opacity for a one hour average.	AGC sent letter dated 11/27/2013 and outlined corrective actions. No record of response from PSCAA.
Seattle, WA	11/10/2013	PSCAA	2-009202 – Allowed the emission of an air contaminant from the kiln stack greater than 5% opacity for a one hour average.	AGC sent letter dated 3/21/2014 in response to the violation and outlined corrective actions. No response was received from PSCAA, because it is only a warning.
Seattle, WA	12/17/2013	PSCAA	3-006280 – Failure to provide 60 days prior notice of a NESHAP performance test.	AGC sent letter dated 8/27/2014 in response to the violation and outlined corrective actions. PSCAA sent letter dated 12/08/2015 asking for penalty amount of \$2,000.00 for CP 15-0307. 1/13/2016 AGC sent a Mitigation Request of Penalty to PSCAA.

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				<p>PSCAA letter dated 6/27/2016 was received reducing the penalty from \$2,000 to \$1,000.</p> <p>AGC sent payment Dec 2015 to close this violation.</p>
Seattle, WA	12/18/2013	PSCAA	3-006281 – Emission of D/F emissions greater than the permit limits when the baghouse temperature is greater than 400 degrees F.	<p>AGC sent letter dated 8/27/2014 in response to the violation and outlined corrective actions.</p> <p>PSCAA sent letter dated 12/08/2015 asking for penalty amount of \$2,000.00 for CP 15-0307 but then reducing to \$1,000.00.</p> <p>1/13/2016 AGC sent a Mitigation Request of Penalty to PSCAA.</p> <p>AGC sent payment Dec 2015 to close this violation.</p>
Seattle, WA	12-24-2013 Thru 5-13/2014	PSCAA	3-006370 – Emission of D/F greater than the permit limits when the baghouse temperature is greater than 400 degrees F.	<p>PSCAA sent letter dated 12/08/2015 asking for penalty amount of \$30,000.00 for CP 15-0307.</p> <p>Letter dated 1/13/2016 from AGC to PSCAA gives explanation along with payment of \$30,000.00. This closes this violation.</p>
Seattle, WA	9/10/2015	PSCAA	<p>3-006206 – Failure to comply with order 9711.</p> <p>Failure to make acceptable range on baghouse and order 10742.</p> <p>Failure to make acceptable operating range on FLS 64</p>	<p>AGC sent letter dated 9/17/2015 outlining corrective actions to prevent future occurrences.</p> <p>Received letter from PSCAA dated 11/12/2015 closing this violation.</p>

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			TA10FM and FLS 25TA10FM baghouse.	
Seattle, WA	6/03/2016	PSCAA	3-0063171 - Failure to meet Order of Approval 11339.	Received letter from PSCSS dated 9/29/2016 that the violation has been closed.
Seattle, WA	06/03/2016	PSCAA	3-006379 - Failure to meet Order of Approval 11339; Recover valid CO monitoring data for at least 95% of the hours that the kiln operated June 2016. Only 94.1% of the CO data was recovered.	AGC sent letter dated 10/05/2016 explaining why the data was not complete for the month of June. Pending.
Foreman, AR Chanute, KS Durkee, OR Leamington, UT Seattle, WA Louisville, NE Midlothian, TX Montana City, MT Inkom, ID	8/14/2013	United States District Court for the District of Kansas	Case 2:13-cv-02299-JTM-DJW Document 27 – alleged violations of the PSD, NNSR, NSPS, and Title V requirements of the Clean Air Act.	Ongoing.

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Ash Grove Cement Company

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Overland Park, KS 66210

**Michael B. Wood**  
Vice President – Sales, Western Division  
6700 SW Macadam Ave., Suite 300  
Portland, OR 97219

**James M. Gatens**  
Vice President – Sales, Texas Division  
363 N. Sam Houston Pkwy, E. Ste. 390  
Houston, TX 77060

**David W. Ezell**  
Vice President – Human Resources  
11011 Cody  
Overland Park, KS 66210

**Stuart E. Tomlinson**  
Vice Pres. - Manufacturing, Midwest Division  
11011 Cody  
Overland Park, KS 66210

**Ronald J. Vidergar**  
Vice President – Technical Services  
11011 Cody  
Overland Park, KS 66210

**Bruce W. Newell**  
Vice President – Manufacturing Services  
11011 Cody  
Overland Park, KS 66210

**Daniel J. Peters**  
Vice Pres. – Manufacturing – Western Division  
11011 Cody  
Overland Park, KS 66210

**Curtis D. Lesslie**  
Vice President – Environmental Affairs  
11011 Cody  
Overland Park, KS 66210

**Patrick Gorup**  
Vice President – Ash Grove Materials  
11011 Cody  
Overland Park, KS 66210

**Gary L. Church**  
Asst. Secretary & Asst. General Counsel  
11011 Cody  
Overland Park, KS 66210

ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

**L. John Nelson, IV**

Asst. Secretary & Asst. General Counsel  
11011 Cody  
Overland Park, KS 66210

**Debra A. Mays**

Corporate Controller & Chief Accounting Ofc.  
11011 Cody  
Overland Park, KS 66210

**Kim R. Beachner**

Treasurer & Western Division Controller  
11011 Cody St.  
Overland Park, KS 66210

**Mark J. Meads**

Assistant Treasurer & Director of Taxation  
11011 Cody  
Overland Park, KS 66210

ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

**DIRECTORS**

**Charles T. Sunderland**  
11011 Cody St.  
Overland Park, KS 66210

**John W. Webster**  
11011 Cody St.  
Overland Park, KS 66210

**Kenton W. Sunderland**  
11011 Cody St.  
Overland Park, KS 66210

**Charles Larson**  
11011 Cody St.  
Overland Park, KS 66210

**Michael J. Hrizuk**  
11011 Cody St.  
Overland Park, KS 66210

**F. Lynn Markel**  
11011 Cody St.  
Overland Park, KS 66210

**George F. Wells**  
11011 Cody St.  
Overland Park, KS 66210

**Eileen Flink**  
11011 Cody St.  
Overland Park, KS 66210

**J. Randall Vance**  
11011 Cody St.  
Overland Park, KS 66210

**Patrick J. Gorup**  
11011 Cody St.  
Overland Park, KS 66210

ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

**Companies with Debt or Equity Interest of 5% or More**

<b>Subsidiary:</b>	<b>Address:</b>	<b>% Owned by Applicant</b>
Ash Grove Materials Corporation a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
CCP Properties, Inc. a Kansas Corporation	11011 Cody St. Overland Park, KS 66210	100%
Cody Capital, LLC a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
Concrete Company of Springfield a Missouri Corporation	510 Sherman Springfield, MO 65802	60.7%
Galloway Trading Company, LLC a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
Houston Cement Company, LP a Texas Limited Partnership	363 N Sam Houston Pkwy E, Ste. 390 Houston, TX 77060	65%
Lyman-Richey Corporation a Delaware Corporation	4315 Cuming Street Omaha, NE	100%
Rivergate LFG, Inc. a Oregon Corporation	11011 Cody St. Overland Park, KS 66210	100%
Winchester Ventures II, LLC a Missouri General Partnership	11011 Cody St. Overland Park, KS 66210	50%

ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

**ASH GROVE CEMENT COMPANY SUBSIDIARIES**

<b>Subsidiary:</b>	<b>Address:</b>	<b>% Owned by Applicant</b>
Ash Grove Materials Corporation a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
CCP Properties, Inc. a Kansas Corporation	11011 Cody St. Overland Park, KS 66210	100%
Cody Capital, LLC a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
Concrete Company of Springfield a Missouri Corporation	510 Sherman Springfield, MO 65802	60.7%
Galloway Trading Company, LLC a Delaware Corporation	11011 Cody St. Overland Park, KS 66210	100%
Houston Cement Company, LP a Texas Limited Partnership	363 N Sam Houston Pkwy E, Ste. 390 Houston, TX 77060	65%
Lyman-Richey Corporation a Delaware Corporation	4315 Cuming Street Omaha, NE	100%
Rivergate LFG, Inc. a Oregon Corporation	11011 Cody St. Overland Park, KS 66210	100%
Winchester Ventures II, LLC a Missouri General Partnership	11011 Cody St. Overland Park, KS 66210	50%



ADEQ DISCLOSURE STATEMENT  
Ash Grove Cement Company

Regulatory Agencies

United States Environmental Protection Agency

Kansas Department of Health and Environmental

Nebraska Department of Environmental Quality

Utah Department of Environmental Quality

Oregon Department of Environmental Quality

Nevada Department of Conservation and Natural Resources: Division of Environmental Protection

Clark County, NV – Health District

Idaho Department of Environmental Quality

Montana Department of Environmental Quality

Missouri Department of Natural Resources

Washington State Department of Ecology

Benton County, WA – Clean Air Agency

Puget Sound Clean Air Agency

City of Seattle, WA – Fire Department

Polk County, IA – Air Pollution Control Division

Iowa Department of Natural Resources

Oklahoma Department of Environmental Quality

Springfield, MO – Greene County Public Health Department

Mississippi Department of Environmental Quality

Wyandotte County, KS – Health Department

Texas Commission on Environmental Quality

Environmental Management – City of Fort Worth, TX

Louisiana Department of Environmental Quality

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**Statement of Good Standing**



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LLC Member information is now confidential per Act 865 of 2007

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Corporation Name	ASH GROVE CEMENT COMPANY
Fictitious Names	ASH GROVE FOREMAN CEMENT COMPANY
Filing #	100057377
Filing Type	Foreign For Profit Corporation
Filed under Act	For Bus Corp; 958 of 1987
Status	Good Standing
Principal Address	
Reg. Agent	THE CORPORATION COMPANY
Agent Address	124 WEST CAPITOL AVENUE SUITE 1900 LITTLE ROCK, AR 72201
Date Filed	12/16/1986
Officers	SEE FILE, Incorporator/Organizer J. RANDALL VANCE , President STEPHEN RYAN , Secretary DAVID MEYER , Vice-President KIM BEACHNER , Treasurer DEBRA MAYS , Contoller
Foreign Name	N/A
Foreign Address	1209 ORANGE ST., WILMINGTON, DE 19801 (PREF \$10.00 X,
State of Origin	DE

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Department of State: Division of Corporations

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Entity Details

<a href="#">File Number:</a>	<b>432121</b>	<a href="#">Incorporation Date / Formation Date:</a>	<b>8/8/1949</b> (mm/dd/yyyy)
<a href="#">Entity Name:</a>	<b>ASH GROVE CEMENT COMPANY</b>		
<a href="#">Entity Kind:</a>	<b>Corporation</b>	<a href="#">Entity Type:</a>	<b>General</b>
<a href="#">Residency:</a>	<b>Domestic</b>	State:	<b>State:</b>
<a href="#">Status:</a>	<b>Good Standing</b>	Status Date:	<b>12/28/2012</b>

**[REGISTERED AGENT INFORMATION](#)**

Name:	<b>THE CORPORATION TRUST COMPANY</b>		
Address:	<b>CORPORATION TRUST CENTER 1209 ORANGE ST</b>		
City:	<b>WILMINGTON</b>	County:	<b>New Castle</b>
State:	<b>DE</b>	Postal Code:	<b>19801</b>
Phone:	<b>302-658-7581</b>		

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**EPA Form 2C**

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Please print or type in the unshaded areas only.

<b>FORM 2C NPDES</b>		U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER <b>EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS</b> <i>Consolidated Permits Program</i>
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**I. OUTFALL LOCATION**

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER <i>(list)</i>	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER <i>(name)</i>
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	33.00	41.00	9.20	94.00	25.00	28.40	Unnamed tributary of French Creek
002	33.00	41.00	29.60	94.00	25.00	36.30	Unnamed tributary of French Creek
003	33.00	41.00	15.30	94.00	25.00	28.70	Unnamed tributary of French Creek

**II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES**

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. <i>(list)</i>	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION <i>(list)</i>	b. AVERAGE FLOW <i>(include units)</i>	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Active Quarry Dewatering	Variable	Settling Pond	1-U	4-A
	Stormwater Runoff	Variable	Settling Pond	1-U	
	Fishing Lake Overflow	Variable	Settling Pond	1-U	
002	Stormwater Runoff	Variable	Settling Pond	1-U	4-A
003	Coal Processing Area	Variable	Settling Pond	1-U	4-A
	Truck Washout Area	Variable	Settling Pond	1-U	
	Sanitary Wastewater	Variable	Settling Pond	1-U	
	Stormwater Runoff	Variable	Settling Pond	1-U	
003 Cont'd	Non-Contact Cooling Water	Variable	Settling Pond	1-U	
	Process Area Washdown Water	Variable	Settling Pond	1-U	
	CKD Landfill Leachate and Runoff	Variable	Settling Pond	1-U	
	Sanitary Wastewater	5000 gpd	Settling Pond	1-T	3-A
				1-U	2-F

OFFICIAL USE ONLY (effluent guidelines sub-categories)

CONTINUED FROM THE FRONT

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal? <input checked="" type="checkbox"/> YES (complete the following table) <input type="checkbox"/> NO (go to Section III)								
1. OUTFALL NUMBER (list)	2. OPERATION(S) CONTRIBUTING FLOW (list)	3. FREQUENCY		4. FLOW				C. DURATION (in days)
		a. DAYS PER WEEK (specify average)	b. MONTHS PER YEAR (specify average)	a. FLOW RATE (in mgd)		B. TOTAL VOLUME (specify with units)		
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
001	Quarry Dewatering	NA	6	0.083	NA	NA	NA	NA
002	Material Storage	NA	8	0.02	NA	NA	NA	NA
003	Process Water	NA	4	0.112	NA	NA	NA	NA
003	Landfill Runoff	NA	4	0.01	NA	NA	NA	NA
003	Sanitary	NA	12	0.0002	NA	NA	NA	NA
<b>III. PRODUCTION</b>								
A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility? <input checked="" type="checkbox"/> YES (complete Item III-B) <input type="checkbox"/> NO (go to Section IV)								
B. Are the limitations in the applicable effluent guideline expressed in terms of production (or other measure of operation)? <input type="checkbox"/> YES (complete Item III-C) <input checked="" type="checkbox"/> NO (go to Section IV)								
C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.								
1. AVERAGE DAILY PRODUCTION							2. AFFECTED OUTFALLS (list outfall numbers)	
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. (specify)						
<b>IV. IMPROVEMENTS</b>								
A. Are you now required by any Federal, State or local authority to meet any implementation schedule for the construction, upgrading or operations of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions. <input type="checkbox"/> YES (complete the following table) <input checked="" type="checkbox"/> NO (go to Item IV-B)								
1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE				
	a. NO.	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED			
B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs (or other environmental projects which may affect your discharges) you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction. <input type="checkbox"/> MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED								

CONTINUED FROM PAGE 2

## V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, &amp; C: See instructions before proceeding – Complete one set of tables for each outfall – Annotate the outfall number in the space provided.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

D. Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
None			

## VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

 YES (list all such pollutants below ) NO (go to Item VI-B)

Ash Grove uses Hazardous Waste Derived Fuel (HWDF) as supplemental fuel in cement kilns. At any given time, components from Item V.C may be present as a component of the HWDF.



**VII. BIOLOGICAL TOXICITY TESTING DATA**

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

YES (identify the test(s) and describe their purposes below)

NO (go to Section VIII)

(This area is blank as the respondent selected "NO".)

**VIII. CONTRACT ANALYSIS INFORMATION**

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

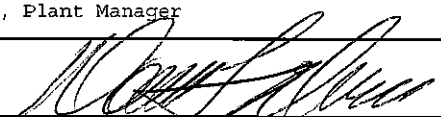
YES (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)

NO (go to Section IX)

A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.)	D. POLLUTANTS ANALYZED (list)
Arkansas Analytical, Inc.	8100 National Drive Little Rock, AR 72209	(501) 455-3233	All

**IX. CERTIFICATION**

I certify under penalty of law that this document and all attachments were prepared under my direction or 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 persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, 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.

A. NAME & OFFICIAL TITLE (type or print) David Dorris, Plant Manager	B. PHONE NO. (area code & no.) (870) 542-3010
C. SIGNATURE 	D. DATE SIGNED 12-1-2016

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**Outfall 001**

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

AR0042846

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 001
--	--------------------

PART A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)			4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	2.62	--	2.62	--	2.62	--	1	mg/L	--			
b. Chemical Oxygen Demand (COD)	< 10	--	< 10	--	< 10	--	1	mg/L	--			
c. Total Organic Carbon (TOC)	3.99	--	3.99	--	3.99	--	1	mg/L	--			
d. Total Suspended Solids (TSS)	5.5	--	5.5	--	2.55	--	24	mg/L	--			
e. Ammonia (as N)	< 0.5	--	< 0.5	--	< 0.5	--	1	mg/L	--			
f. Flow	VALUE 0.18		VALUE 0.18		VALUE 0.059		24	MGD	--	VALUE		
g. Temperature (winter)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
h. Temperature (summer)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
i. pH	MINIMUM 7.4	MAXIMUM 8.94	MINIMUM 7.4	MAXIMUM 8.94			24	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual		X												
c. Color		X												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		< 0.5	--	< 0.5	--	< 0.5	--	1	mg/L	--			

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		< 1.0	--	< 1.0	--	< 1.0	--	1	mg/L	--			
h. Oil and Grease	X		< 3.5	--	< 3.5	--	< 3.5	--	1	mg/L	--			
i. Phosphorus (as P), Total (7723-14-0)	X		0.062	--	0.062	--	0.062	--	1	mg/L	--			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		55	--	55	--	55	--	1	mg/L	--			
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X												
n. Surfactants		X												
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
AR0042846	001

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X			See	PPS	Form	for	Part C	Data						
2M. Arsenic, Total (7440-38-2)	X														
3M. Beryllium, Total (7440-41-7)	X														
4M. Cadmium, Total (7440-43-9)	X														
5M. Chromium, Total (7440-47-3)	X														
6M. Copper, Total (7440-50-8)	X														
7M. Lead, Total (7439-92-1)	X														
8M. Mercury, Total (7439-97-6)	X														
9M. Nickel, Total (7440-02-0)	X														
10M. Selenium, Total (7782-49-2)	X														
11M. Silver, Total (7440-22-4)	X														
12M. Thallium, Total (7440-28-0)	X														
13M. Zinc, Total (7440-66-6)	X														
14M. Cyanide, Total (57-12-5)	X														
15M. Phenols, Total	X														
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)	X														
2V. Acrylonitrile (107-13-1)	X														
3V. Benzene (71-43-2)	X														
4V. Bis (Chloromethyl) Ether (542-88-1)	X														
5V. Bromoform (75-25-2)	X														
6V. Carbon Tetrachloride (56-23-5)	X														
7V. Chlorobenzene (108-90-7)	X														
8V. Chlorodibromomethane (124-48-1)	X														
9V. Chloroethane (75-00-3)	X														
10V. 2-Chloroethylvinyl Ether (110-75-8)	X														
11V. Chloroform (67-66-3)	X														
12V. Dichlorobromomethane (75-27-4)	X														
13V. Dichlorodifluoromethane (75-71-8)	X														
14V. 1,1-Dichloroethane (75-34-3)	X														
15V. 1,2-Dichloroethane (107-06-2)	X														
16V. 1,1-Dichloroethylene (75-35-4)	X														
17V. 1,2-Dichloropropane (78-87-5)	X														
18V. 1,3-Dichloropropylene (542-75-6)	X														
19V. Ethylbenzene (100-41-4)	X														
20V. Methyl Bromide (74-83-9)	X														
21V. Methyl Chloride (74-87-3)	X														

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS <i>(continued)</i>															
22V. Methylene Chloride (75-09-2)	X														
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X														
24V. Tetrachloroethylene (127-18-4)	X														
25V. Toluene (108-88-3)	X														
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X														
27V. 1,1,1-Trichloroethane (71-55-6)	X														
28V. 1,1,2-Trichloroethane (79-00-5)	X														
29V. Trichloroethylene (79-01-6)	X														
30V. Trichlorofluoromethane (75-69-4)	X														
31V. Vinyl Chloride (75-01-4)	X														
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X														
2A. 2,4-Dichlorophenol (120-83-2)	X														
3A. 2,4-Dimethylphenol (105-67-9)	X														
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X														
5A. 2,4-Dinitrophenol (51-28-5)	X														
6A. 2-Nitrophenol (88-75-5)	X														
7A. 4-Nitrophenol (100-02-7)	X														
8A. P-Chloro-M-Cresol (59-50-7)	X														
9A. Pentachlorophenol (87-86-5)	X														
10A. Phenol (108-95-2)	X														
11A. 2,4,6-Trichlorophenol (88-05-2)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X														
2B. Acenaphthylene (208-96-8)	X														
3B. Anthracene (120-12-7)	X														
4B. Benzidine (92-87-5)	X														
5B. Benzo (a) Anthracene (56-55-3)	X														
6B. Benzo (a) Pyrene (50-32-8)	X														
7B. 3,4-Benzo-fluoranthene (205-99-2)	X														
8B. Benzo (ghi) Perylene (191-24-2)	X														
9B. Benzo (k) Fluoranthene (207-08-9)	X														
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X														
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X														
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X														
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X														
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X														
15B. Butyl Benzyl Phthalate (85-68-7)	X														
16B. 2-Chloro-naphthalene (91-58-7)	X														
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X														
18B. Chrysene (218-01-9)	X														
19B. Dibenzo (a,h) Anthracene (53-70-3)	X														
20B. 1,2-Dichloro-benzene (95-50-1)	X														
21B. 1,3-Di-chloro-benzene (541-73-1)	X														



1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
22B. 1,4-Dichlorobenzene (106-46-7)	X														
23B. 3,3-Dichlorobenzidine (91-94-1)	X														
24B. Diethyl Phthalate (84-66-2)	X														
25B. Dimethyl Phthalate (131-11-3)	X														
26B. Di-N-Butyl Phthalate (84-74-2)	X														
27B. 2,4-Dinitrotoluene (121-14-2)	X														
28B. 2,6-Dinitrotoluene (606-20-2)	X														
29B. Di-N-Octyl Phthalate (117-84-0)	X														
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X														
31B. Fluoranthene (206-44-0)	X														
32B. Fluorene (86-73-7)	X														
33B. Hexachlorobenzene (118-74-1)	X														
34B. Hexachlorobutadiene (87-68-3)	X														
35B. Hexachlorocyclopentadiene (77-47-4)	X														
36B Hexachloroethane (67-72-1)	X														
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X														
38B. Isophorone (78-59-1)	X														
39B. Naphthalene (91-20-3)	X														
40B. Nitrobenzene (98-95-3)	X														
41B. N-Nitrosodimethylamine (62-75-9)	X														
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
43B. N-Nitrosodiphenylamine (86-30-6)	X														
44B. Phenanthrene (85-01-8)	X														
45B. Pyrene (129-00-0)	X														
46B. 1,2,4-Trichlorobenzene (120-82-1)	X														
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X														
2P. α-BHC (319-84-6)	X														
3P. β-BHC (319-85-7)	X														
4P. γ-BHC (58-89-9)	X														
5P. δ-BHC (319-86-8)	X														
6P. Chlordane (57-74-9)	X														
7P. 4,4'-DDT (50-29-3)	X														
8P. 4,4'-DDE (72-55-9)	X														
9P. 4,4'-DDD (72-54-8)	X														
10P. Dieldrin (60-57-1)	X														
11P. α-Endosulfan (115-29-7)	X														
12P. β-Endosulfan (115-29-7)	X														
13P. Endosulfan Sulfate (1031-07-8)	X														
14P. Endrin (72-20-8)	X														
15P. Endrin Aldehyde (7421-93-4)	X														
16P. Heptachlor (76-44-8)	X														

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES (continued)															
17P. Heptachlor Epoxide (1024-57-3)	X														
18P. PCB-1242 (53469-21-9)	X														
19P. PCB-1254 (11097-69-1)	X														
20P. PCB-1221 (11104-28-2)	X														
21P. PCB-1232 (11141-16-5)	X														
22P. PCB-1248 (12672-29-6)	X														
23P. PCB-1260 (11096-82-5)	X														
24P. PCB-1016 (12674-11-2)	X														
25P. Toxaphene (8001-35-2)	X														

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**Outfall 002**

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

AR0042846

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 002
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PART A –You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)			4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	5.9	--	5.9	--	5.9	--	1	mg/L	--			
b. Chemical Oxygen Demand (COD)	21	--	21	--	21	--	1	mg/L	--			
c. Total Organic Carbon (TOC)	6.44	--	6.44	--	6.44	--	1	mg/L	--			
d. Total Suspended Solids (TSS)	26.5	--	26.5	--	5.97	--	18	mg/L	--			
e. Ammonia (as N)	< 0.5	--	< 0.5	--	< 0.5	--	1	mg/L	--			
f. Flow	VALUE 0.127		VALUE 0.127		VALUE 0.026		18	MGD	--	VALUE		
g. Temperature (winter)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
h. Temperature (summer)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
i. pH	MINIMUM 7.5	MAXIMUM 8.11	MINIMUM 7.5	MAXIMUM 8.11			18	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		0.37	--	0.37	--	0.37	--	1	mg/L	--			
c. Color		X												
d. Fecal Coliform	X		< 10	--	< 10	--	< 10	--	14	#/100mL	--			
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)		X												

ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease		X												
i. Phosphorus (as P), Total (7723-14-0)	X		0.072	--	0.072	--	0.072	--	1	mg/L	--			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		22.3	--	22.3	--	22.3	--	1	mg/L	--			
l. Sulfide (as S)		X												
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)		X												
n. Surfactants	X		< 0.1	--	< 0.1	--	< 0.1	--	1	mg/L	--			
o. Aluminum, Total (7429-90-5)	X		0.0383	--	0.0383	--	0.0383	--	1	mg/L	--			
p. Barium, Total (7440-39-3)	X		0.039	--	0.039	--	0.039	--	1	mg/L	--			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)	X		0.121	--	0.121	--	0.121	--	1	mg/L	--			
t. Magnesium, Total (7439-95-4)	X		3.25	--	3.25	--	3.25	--	1	mg/L	--			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		0.216	--	0.216	--	0.216	--	1	mg/L	--			
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
AR0042846	002

CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X			See	PPS	Form	for	Part C	Data						
2M. Arsenic, Total (7440-38-2)	X														
3M. Beryllium, Total (7440-41-7)	X														
4M. Cadmium, Total (7440-43-9)	X														
5M. Chromium, Total (7440-47-3)	X														
6M. Copper, Total (7440-50-8)	X														
7M. Lead, Total (7439-92-1)	X														
8M. Mercury, Total (7439-97-6)	X														
9M. Nickel, Total (7440-02-0)	X														
10M. Selenium, Total (7782-49-2)	X														
11M. Silver, Total (7440-22-4)	X														
12M. Thallium, Total (7440-28-0)	X														
13M. Zinc, Total (7440-66-6)	X														
14M. Cyanide, Total (57-12-5)	X														
15M. Phenols, Total	X														
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)	X														
2V. Acrylonitrile (107-13-1)	X														
3V. Benzene (71-43-2)	X														
4V. Bis (Chloromethyl) Ether (542-88-1)	X														
5V. Bromoform (75-25-2)	X														
6V. Carbon Tetrachloride (56-23-5)	X														
7V. Chlorobenzene (108-90-7)	X														
8V. Chlorodibromomethane (124-48-1)	X														
9V. Chloroethane (75-00-3)	X														
10V. 2-Chloroethylvinyl Ether (110-75-8)	X														
11V. Chloroform (67-66-3)	X														
12V. Dichlorobromomethane (75-27-4)	X														
13V. Dichlorodifluoromethane (75-71-8)	X														
14V. 1,1-Dichloroethane (75-34-3)	X														
15V. 1,2-Dichloroethane (107-06-2)	X														
16V. 1,1-Dichloroethylene (75-35-4)	X														
17V. 1,2-Dichloropropane (78-87-5)	X														
18V. 1,3-Dichloropropylene (542-75-6)	X														
19V. Ethylbenzene (100-41-4)	X														
20V. Methyl Bromide (74-83-9)	X														
21V. Methyl Chloride (74-87-3)	X														



1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS <i>(continued)</i>															
22V. Methylene Chloride (75-09-2)	X														
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X														
24V. Tetrachloroethylene (127-18-4)	X														
25V. Toluene (108-88-3)	X														
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X														
27V. 1,1,1-Trichloroethane (71-55-6)	X														
28V. 1,1,2-Trichloroethane (79-00-5)	X														
29V. Trichloroethylene (79-01-6)	X														
30V. Trichlorofluoromethane (75-69-4)	X														
31V. Vinyl Chloride (75-01-4)	X														
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X														
2A. 2,4-Dichlorophenol (120-83-2)	X														
3A. 2,4-Dimethylphenol (105-67-9)	X														
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X														
5A. 2,4-Dinitrophenol (51-28-5)	X														
6A. 2-Nitrophenol (88-75-5)	X														
7A. 4-Nitrophenol (100-02-7)	X														
8A. P-Chloro-M-Cresol (59-50-7)	X														
9A. Pentachlorophenol (87-86-5)	X														
10A. Phenol (108-95-2)	X														
11A. 2,4,6-Trichlorophenol (88-05-2)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X														
2B. Acenaphthylene (208-96-8)	X														
3B. Anthracene (120-12-7)	X														
4B. Benzidine (92-87-5)	X														
5B. Benzo (a) Anthracene (56-55-3)	X														
6B. Benzo (a) Pyrene (50-32-8)	X														
7B. 3,4-Benzo-fluoranthene (205-99-2)	X														
8B. Benzo (ghi) Perylene (191-24-2)	X														
9B. Benzo (k) Fluoranthene (207-08-9)	X														
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X														
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X														
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X														
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X														
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X														
15B. Butyl Benzyl Phthalate (85-68-7)	X														
16B. 2-Chloro-naphthalene (91-58-7)	X														
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X														
18B. Chrysene (218-01-9)	X														
19B. Dibenzo (a,h) Anthracene (53-70-3)	X														
20B. 1,2-Dichloro-benzene (95-50-1)	X														
21B. 1,3-Di-chloro-benzene (541-73-1)	X														

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
22B. 1,4-Dichlorobenzene (106-46-7)	X														
23B. 3,3-Dichlorobenzidine (91-94-1)	X														
24B. Diethyl Phthalate (84-66-2)	X														
25B. Dimethyl Phthalate (131-11-3)	X														
26B. Di-N-Butyl Phthalate (84-74-2)	X														
27B. 2,4-Dinitrotoluene (121-14-2)	X														
28B. 2,6-Dinitrotoluene (606-20-2)	X														
29B. Di-N-Octyl Phthalate (117-84-0)	X														
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X														
31B. Fluoranthene (206-44-0)	X														
32B. Fluorene (86-73-7)	X														
33B. Hexachlorobenzene (118-74-1)	X														
34B. Hexachlorobutadiene (87-68-3)	X														
35B. Hexachlorocyclopentadiene (77-47-4)	X														
36B Hexachloroethane (67-72-1)	X														
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X														
38B. Isophorone (78-59-1)	X														
39B. Naphthalene (91-20-3)	X														
40B. Nitrobenzene (98-95-3)	X														
41B. N-Nitrosodimethylamine (62-75-9)	X														
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
43B. N-Nitrosodiphenylamine (86-30-6)	X														
44B. Phenanthrene (85-01-8)	X														
45B. Pyrene (129-00-0)	X														
46B. 1,2,4-Trichlorobenzene (120-82-1)	X														
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X														
2P. α-BHC (319-84-6)	X														
3P. β-BHC (319-85-7)	X														
4P. γ-BHC (58-89-9)	X														
5P. δ-BHC (319-86-8)	X														
6P. Chlordane (57-74-9)	X														
7P. 4,4'-DDT (50-29-3)	X														
8P. 4,4'-DDE (72-55-9)	X														
9P. 4,4'-DDD (72-54-8)	X														
10P. Dieldrin (60-57-1)	X														
11P. α-Endosulfan (115-29-7)	X														
12P. β-Endosulfan (115-29-7)	X														
13P. Endosulfan Sulfate (1031-07-8)	X														
14P. Endrin (72-20-8)	X														
15P. Endrin Aldehyde (7421-93-4)	X														
16P. Heptachlor (76-44-8)	X														

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
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CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCEN-TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)	X														
18P. PCB-1242 (53469-21-9)	X														
19P. PCB-1254 (11097-69-1)	X														
20P. PCB-1221 (11104-28-2)	X														
21P. PCB-1232 (11141-16-5)	X														
22P. PCB-1248 (12672-29-6)	X														
23P. PCB-1260 (11096-82-5)	X														
24P. PCB-1016 (12674-11-2)	X														
25P. Toxaphene (8001-35-2)	X														

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**Outfall 003**

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (use the same format) instead of completing these pages.  
SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

AR0042846

V. INTAKE AND EFFLUENT CHARACTERISTICS (continued from page 3 of Form 2-C)	OUTFALL NO. 003
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PART A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT						3. UNITS (specify if blank)			4. INTAKE (optional)		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Biochemical Oxygen Demand (BOD)	< 2	--	< 2	--	< 2	--	14	mg/L	--			
b. Chemical Oxygen Demand (COD)	< 10	--	< 10	--	< 10	--	1	mg/L	--			
c. Total Organic Carbon (TOC)	3.48	--	3.48	--	3.48	--	1	mg/L	--			
d. Total Suspended Solids (TSS)	19.5	--	19.5	--	7.64	--	14	mg/L	--			
e. Ammonia (as N)	< 0.5	--	< 0.5	--	< 0.5	--	1	mg/L	--			
f. Flow	VALUE 3.36		VALUE 3.36		VALUE 1.53		14	MGD	--	VALUE		
g. Temperature (winter)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
h. Temperature (summer)	VALUE ambient		VALUE ambient		VALUE ambient		--	°C		VALUE		
i. pH	MINIMUM 7.69	MAXIMUM 8.4	MINIMUM 7.69	MAXIMUM 8.4			14	STANDARD UNITS				

PART B – Mark "X" in column 2-a for each pollutant you know or have reason to believe is present. Mark "X" in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS			5. INTAKE (optional)		
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
a. Bromide (24959-67-9)	X		7.77	--	7.77	--	7.77	--	1	mg/L	--			
b. Chlorine, Total Residual	X		0.02	--	0.02	--	0.02	--	1	mg/L	--			
c. Color		X												
d. Fecal Coliform	X		112	--	112	--	52.4	--	14	#/100mL	--			
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		< 0.5	--	< 0.5	--	< 0.5	--	1	mg/L	--			

## ITEM V-B CONTINUED FROM FRONT

1. POLLUTANT AND CAS NO. (if available)	2. MARK "X"		3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
g. Nitrogen, Total Organic (as N)	X		< 1.0	--	< 1.0	--	< 1.0	--	1	mg/L	--			
h. Oil and Grease	X		< 3.5	--	< 3.5	--	< 3.5	--	1	mg/L	--			
i. Phosphorus (as P), Total (7723-14-0)	X		0.033	--	0.033	--	0.033	--	1	mg/L	--			
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO <sub>4</sub> ) (14808-79-8)	X		82.2	--	82.2	--	82.2	--	1	mg/L	--			
l. Sulfide (as S)	X		< 0.1	--	< 0.1	--	< 0.1	--	1	mg/L	--			
m. Sulfite (as SO <sub>3</sub> ) (14265-45-3)	X		< 4	--	< 4	--	< 4	--	1	mg/L	--			
n. Surfactants	X		< 0.1	--	< 0.1	--	< 0.1	--	1	mg/L	--			
o. Aluminum, Total (7429-90-5)	X		0.248	--	0.248	--	0.248	--	1	mg/L	--			
p. Barium, Total (7440-39-3)	X		0.039	--	0.039	--	0.039	--	1	mg/L	--			
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X												
t. Magnesium, Total (7439-95-4)	X		2.2	--	2.2	--	2.2	--	1	mg/L	--			
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)	X		0.0209	--	0.0209	--	0.0209	--	1	mg/L	--			
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												



EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
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CONTINUED FROM PAGE 3 OF FORM 2-C

**PART C -** If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (*secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions*), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (*all 7 pages*) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (if available)	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE (optional)			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
<b>METALS, CYANIDE, AND TOTAL PHENOLS</b>															
1M. Antimony, Total (7440-36-0)	X			See	PPS	Form	for	Part C	Data						
2M. Arsenic, Total (7440-38-2)	X														
3M. Beryllium, Total (7440-41-7)	X														
4M. Cadmium, Total (7440-43-9)	X														
5M. Chromium, Total (7440-47-3)	X														
6M. Copper, Total (7440-50-8)	X														
7M. Lead, Total (7439-92-1)	X														
8M. Mercury, Total (7439-97-6)	X														
9M. Nickel, Total (7440-02-0)	X														
10M. Selenium, Total (7782-49-2)	X														
11M. Silver, Total (7440-22-4)	X														
12M. Thallium, Total (7440-28-0)	X														
13M. Zinc, Total (7440-66-6)	X														
14M. Cyanide, Total (57-12-5)	X														
15M. Phenols, Total	X														
<b>DIOXIN</b>															
2,3,7,8-Tetra-chlorodibenzo-P-Dioxin (1764-01-6)			X	DESCRIBE RESULTS											

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS															
1V. Accrolein (107-02-8)	X														
2V. Acrylonitrile (107-13-1)	X														
3V. Benzene (71-43-2)	X														
4V. Bis (Chloromethyl) Ether (542-88-1)	X														
5V. Bromoform (75-25-2)	X														
6V. Carbon Tetrachloride (56-23-5)	X														
7V. Chlorobenzene (108-90-7)	X														
8V. Chlorodibromomethane (124-48-1)	X														
9V. Chloroethane (75-00-3)	X														
10V. 2-Chloroethylvinyl Ether (110-75-8)	X														
11V. Chloroform (67-66-3)	X														
12V. Dichlorobromomethane (75-27-4)	X														
13V. Dichlorodifluoromethane (75-71-8)	X														
14V. 1,1-Dichloroethane (75-34-3)	X														
15V. 1,2-Dichloroethane (107-06-2)	X														
16V. 1,1-Dichloroethylene (75-35-4)	X														
17V. 1,2-Dichloropropane (78-87-5)	X														
18V. 1,3-Dichloropropylene (542-75-6)	X														
19V. Ethylbenzene (100-41-4)	X														
20V. Methyl Bromide (74-83-9)	X														
21V. Methyl Chloride (74-87-3)	X														

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – VOLATILE COMPOUNDS <i>(continued)</i>															
22V. Methylene Chloride (75-09-2)	X														
23V. 1,1,2,2-Tetrachloroethane (79-34-5)	X														
24V. Tetrachloroethylene (127-18-4)	X														
25V. Toluene (108-88-3)	X														
26V. 1,2-Trans-Dichloroethylene (156-60-5)	X														
27V. 1,1,1-Trichloroethane (71-55-6)	X														
28V. 1,1,2-Trichloroethane (79-00-5)	X														
29V. Trichloroethylene (79-01-6)	X														
30V. Trichlorofluoromethane (75-69-4)	X														
31V. Vinyl Chloride (75-01-4)	X														
GC/MS FRACTION – ACID COMPOUNDS															
1A. 2-Chlorophenol (95-57-8)	X														
2A. 2,4-Dichlorophenol (120-83-2)	X														
3A. 2,4-Dimethylphenol (105-67-9)	X														
4A. 4,6-Dinitro-O-Cresol (534-52-1)	X														
5A. 2,4-Dinitrophenol (51-28-5)	X														
6A. 2-Nitrophenol (88-75-5)	X														
7A. 4-Nitrophenol (100-02-7)	X														
8A. P-Chloro-M-Cresol (59-50-7)	X														
9A. Pentachlorophenol (87-86-5)	X														
10A. Phenol (108-95-2)	X														
11A. 2,4,6-Trichlorophenol (88-05-2)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS															
1B. Acenaphthene (83-32-9)	X														
2B. Acenaphthylene (208-96-8)	X														
3B. Anthracene (120-12-7)	X														
4B. Benzidine (92-87-5)	X														
5B. Benzo (a) Anthracene (56-55-3)	X														
6B. Benzo (a) Pyrene (50-32-8)	X														
7B. 3,4-Benzo-fluoranthene (205-99-2)	X														
8B. Benzo (ghi) Perylene (191-24-2)	X														
9B. Benzo (k) Fluoranthene (207-08-9)	X														
10B. Bis (2-Chloro-ethoxy) Methane (111-91-1)	X														
11B. Bis (2-Chloro-ethyl) Ether (111-44-4)	X														
12B. Bis (2-Chloroisopropyl) Ether (102-80-1)	X														
13B. Bis (2-Ethyl-hexyl) Phthalate (117-81-7)	X														
14B. 4-Bromophenyl Phenyl Ether (101-55-3)	X														
15B. Butyl Benzyl Phthalate (85-68-7)	X														
16B. 2-Chloro-naphthalene (91-58-7)	X														
17B. 4-Chloro-phenyl Phenyl Ether (7005-72-3)	X														
18B. Chrysene (218-01-9)	X														
19B. Dibenzo (a,h) Anthracene (53-70-3)	X														
20B. 1,2-Dichloro-benzene (95-50-1)	X														
21B. 1,3-Di-chloro-benzene (541-73-1)	X														

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
22B. 1,4-Dichlorobenzene (106-46-7)	X														
23B. 3,3-Dichlorobenzidine (91-94-1)	X														
24B. Diethyl Phthalate (84-66-2)	X														
25B. Dimethyl Phthalate (131-11-3)	X														
26B. Di-N-Butyl Phthalate (84-74-2)	X														
27B. 2,4-Dinitrotoluene (121-14-2)	X														
28B. 2,6-Dinitrotoluene (606-20-2)	X														
29B. Di-N-Octyl Phthalate (117-84-0)	X														
30B. 1,2-Diphenylhydrazine (as Azobenzene) (122-66-7)	X														
31B. Fluoranthene (206-44-0)	X														
32B. Fluorene (86-73-7)	X														
33B. Hexachlorobenzene (118-74-1)	X														
34B. Hexachlorobutadiene (87-68-3)	X														
35B. Hexachlorocyclopentadiene (77-47-4)	X														
36B Hexachloroethane (67-72-1)	X														
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)	X														
38B. Isophorone (78-59-1)	X														
39B. Naphthalene (91-20-3)	X														
40B. Nitrobenzene (98-95-3)	X														
41B. N-Nitrosodimethylamine (62-75-9)	X														
42B. N-Nitrosodi-N-Propylamine (621-64-7)	X														

CONTINUED FROM THE FRONT

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1)	(2)	(1)	(2)	(1)	(2)				(1)	(2)	
				CONCENTRATION	MASS	CONCENTRATION	MASS	CONCENTRATION	MASS				CONCENTRATION	MASS	
GC/MS FRACTION – BASE/NEUTRAL COMPOUNDS <i>(continued)</i>															
43B. N-Nitrosodiphenylamine (86-30-6)	X														
44B. Phenanthrene (85-01-8)	X														
45B. Pyrene (129-00-0)	X														
46B. 1,2,4-Trichlorobenzene (120-82-1)	X														
GC/MS FRACTION – PESTICIDES															
1P. Aldrin (309-00-2)	X														
2P. α-BHC (319-84-6)	X														
3P. β-BHC (319-85-7)	X														
4P. γ-BHC (58-89-9)	X														
5P. δ-BHC (319-86-8)	X														
6P. Chlordane (57-74-9)	X														
7P. 4,4'-DDT (50-29-3)	X														
8P. 4,4'-DDE (72-55-9)	X														
9P. 4,4'-DDD (72-54-8)	X														
10P. Dieldrin (60-57-1)	X														
11P. α-Endosulfan (115-29-7)	X														
12P. β-Endosulfan (115-29-7)	X														
13P. Endosulfan Sulfate (1031-07-8)	X														
14P. Endrin (72-20-8)	X														
15P. Endrin Aldehyde (7421-93-4)	X														
16P. Heptachlor (76-44-8)	X														

EPA I.D. NUMBER <i>(copy from Item 1 of Form 1)</i>	OUTFALL NUMBER
AR0042846	003

CONTINUED FROM PAGE V-8

1. POLLUTANT AND CAS NUMBER <i>(if available)</i>	2. MARK "X"			3. EFFLUENT						4. UNITS		5. INTAKE <i>(optional)</i>			
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE <i>(if available)</i>		c. LONG TERM AVRG. VALUE <i>(if available)</i>		d. NO. OF ANALYSES	a. CONCENTRATION	b. MASS	a. LONG TERM AVERAGE VALUE		b. NO. OF ANALYSES
				(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS				(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION – PESTICIDES <i>(continued)</i>															
17P. Heptachlor Epoxide (1024-57-3)	X														
18P. PCB-1242 (53469-21-9)	X														
19P. PCB-1254 (11097-69-1)	X														
20P. PCB-1221 (11104-28-2)	X														
21P. PCB-1232 (11141-16-5)	X														
22P. PCB-1248 (12672-29-6)	X														
23P. PCB-1260 (11096-82-5)	X														
24P. PCB-1016 (12674-11-2)	X														
25P. Toxaphene (8001-35-2)	X														

# **Priority Pollutant Scan**

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**Outfall 001**

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. (501) 455-3233

8100 National Drive, Little Rock, AR 72209

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

4. What are the certification dates?  
Issued data 10/30/2015 Expire date 10/30/2016

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

6. Date and time of samples collected:  
8/17/2016 1211

7. Date and time samples were received in the laboratory:  
8/18/2016 0829

8. Sample location (Outfall No.):  
outfall 001

9. Samples collected by:  
Name Allen Parker  
Title Arkansas Analytical  
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 persons who manage the system, or those persons 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.

David Dorris

Plant Manager

Printed Name of person signing

Title

Signature

12-1-2016  
Date signed

List all attachments to this form:

<i>METALS AND CYANIDE</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>1. Antimony (Total), Recoverable</i>	<i>&lt; 60</i>	<i>200.8</i>	<i>60</i>	<i>60</i>
<i>2. Arsenic (Total), Recoverable</i>	<i>0.628</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>3. Beryllium (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>4. Cadmium (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>5. Chromium (Total), Recoverable</i>	<i>&lt; 10</i>	<i>200.8</i>	<i>10</i>	<i>10</i>
<i>7. Chromium (6+), Dissolved</i>	<i>&lt; 10</i>	<i>SM 3500-CrB</i>	<i>10</i>	<i>10</i>
<i>8. Copper (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>9. Lead (Total), Recoverable</i>	<i>0.649</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>10. Mercury (Total), Recoverable</i>	<i>0.00285</i>	<i>1631E</i>	<i>0.0002</i>	<i>0.005</i>
<i>12. Nickel (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>13. Selenium (Total), Recoverable</i>	<i>&lt; 5</i>	<i>200.8</i>	<i>5</i>	<i>5</i>
<i>14. Silver (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>15. Thallium (Total), Recoverable</i>	<i>&lt; 0.5</i>	<i>200.8</i>	<i>0.5</i>	<i>0.5</i>
<i>16. Zinc (Total), Recoverable</i>	<i>&lt; 20</i>	<i>200.8</i>	<i>20</i>	<i>20</i>
<i>129. Phenols, Total Recoverable</i>	<i>&lt; 5</i>	<i>420.1</i>	<i>5</i>	<i>5</i>
<i>17. Cyanide (Total), Recoverable</i>	<i>&lt; 10</i>	<i>SM 4500- CN C, E</i>	<i>10</i>	<i>10</i>

<i>DIOXIN</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>18. 2, 3, 7, 8-Tetrachloro-debenzo-p-dioxin (TCDD)</i>				<i>0.00001</i>

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	< 50	624	50	50
20. Acrylonitrile	< 20	624	20	20
21. Benzene	< 10	624	10	10
22. Bromoform	< 10	624	10	10
23. Carbon Tetrachloride	< 2	624	2	2
24. Chlorobenzene	< 10	624	10	10
25. Chlorodibromomethane	< 10	624	10	10
26. Chloroethane	< 50	624	50	50
27. 2-Chloroethyl vinyl ether	< 10	624	10	10
28. Chloroform	< 10	624	10	10
29. Dichlorobromomethane	< 10	624	10	10
30. 1, 1-Dichloroethane	< 10	624	10	10
31. 1, 2-Dichloroethane	< 10	624	10	10
32. 1, 1-Dichloroethylene	< 10	624	10	10
33. 1, 2-Dichloropropane	< 10	624	10	10
34. 1, 3-Dichloropropylene	< 10	624	10	10
35. Ethylbenzene	< 10	624	10	10
36. Methyl Bromide [Bromomethane]	< 50	624	50	50
37. Methyl Chloride [Chloromethane]	< 50	624	50	50
38. Methylene Chloride	< 20	624	20	20
39. 1, 1, 2, 2-Tetrachloroethane	< 10	624	10	10
40. Tetrachloroethylene	< 10	624	10	10
41. Toluene	< 10	624	10	10
42. 1, 2-trans-Dichloroethylene	< 10	624	10	10
43. 1, 1, 1-Trichloroethane	< 10	624	10	10
44. 1, 1, 2-Trichloroethane	< 10	624	10	10
45. Trichloroethylene	< 10	624	10	10
46. Vinyl Chloride	< 10	624	10	10

<i>ACID COMPOUNDS</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
47. <i>2-Chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
48. <i>2, 4-Dichlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
49. <i>2, 4-Dimethylphenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
50. <i>4, 6-Dinitro-o-Cresol [2 methyl 4, 6-dinitrophenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>50</b>
51. <i>2, 4-Dinitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
52. <i>2-Nitrophenol</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
53. <i>4-Nitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
54. <i>P-Chloro-m-Cresol [4 chloro-3-methylphenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
55. <i>Pentachlorophenol</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
56. <i>Phenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
57. <i>2, 4, 6-Tri chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	< 10	625	10	10
59. Acenaphthylene	< 10	625	10	10
60. Anthracene	< 10	625	10	10
61. Benzo(a)anthracene	< 50	625	50	50
62. Benzo(a)pyrene	< 5	625	5	5
63. 3, 4-Benzofluoranthene	< 10	625	10	10
64. Benzo(ghi)perylene	< 20	625	20	20
65. Benzo(k)fluoranthene	< 5	625	5	5
66. Bis(2-chloroethoxy)methane	< 10	625	10	10
67. Bis(2-chloroethyl) ether	< 10	625	10	10
68. Bis(2-chloroisopropyl) ether	< 10	625	10	10
69. Bis(2-ethylhexyl) phthalate	< 10	625	10	10
70. 4-Bromophenyl phenyl ether	< 10	625	10	10
71. Butyl benzyl phthalate	< 10	625	10	10
72. 2-Chloronaphthalene	< 10	625	10	10
73. 4-Chlorophenyl phenyl ether	< 10	625	10	10
74. Chrysene	< 5	625	5	5
75. Di benzo (a, h) anthracene	< 5	625	5	5
76. 1, 2-Dichlorobenzene	< 10	624	10	10
77. 1, 3-Dichlorobenzene	< 10	624	10	10
78. 1, 4-Dichlorobenzene	< 10	624	10	10
79. 3, 3'-Dichlorobenzidine	< 5	625	5	5
80. Diethyl Phthalate	< 10	625	10	10
81. Dimethyl Phthalate	< 10	625	10	10
82. Di-n-Butyl Phthalate	< 10	625	10	10
83. 2, 4-Dinitrotoluene	< 10	625	10	10
84. 2, 6-Dinitrotoluene	< 10	625	10	10
85. Di-n-octyl Phthalate	< 10	625	10	10

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL ( $\mu\text{g}/\text{l}$ )
	RESULTS ( $\mu\text{g}/\text{l}$ )	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED ( $\mu\text{g}/\text{l}$ )	
87. 1, 2-Di phenyl hydrazine	< 20	625	20	20
89. Fluorene	< 10	625	10	10
90. Hexachlorobenzene	< 5	625	5	5
91. Hexachlorobutadiene	< 10	625	10	10
92. Hexachlorocyclopentadiene	< 10	625	10	10
93. Hexachloroethane	< 20	625	20	20
94. Indeno (1, 2, 3-cd) pyrene (2, 3-o-phenylene pyrene)	< 5	625	5	5
95. Isophorone	< 10	625	10	10
96. Naphthalene	< 10	625	10	10
97. Nitrobenzene	< 10	625	10	10
98. N-nitrosodimethylamine	< 50	625	50	50
99. N-nitrosodipropylamine	< 20	625	20	20
100. N-nitrosodiphenylamine	< 20	625	20	20
101. Phenanthrene	< 10	625	10	10
102. Pyrene	< 10	625	10	10
103. 1, 2, 4-Trichlorobenzene	< 10	625	10	10

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	< 0.01	608	0.01	0.01
105. Alpha-BHC	< 0.05	608	0.05	0.05
106. Beta-BHC	< 0.05	608	0.05	0.05
107. Gamma-BHC	< 0.05	608	0.05	0.05
108. Delta-BHC	< 0.05	608	0.05	0.05
109. Chlordane	< 0.2	608	0.2	0.2
110. 4, 4' - DDT	< 0.02	608	0.02	0.02
111. 4, 4' - DDE (p, p- DDX)	< 0.1	608	0.1	0.1
112. 4, 4' - DDD 9(p, p- TDE)	< 0.1	608	0.1	0.1
113. Dieldrin	< 0.02	608	0.02	0.02
114. Alpha-endosulfan	< 0.01	608	0.01	0.01
115. Beta-endosulfan	< 0.02	608	0.02	0.02
116. Endosulfan sulfate	< 0.1	608	0.1	0.1
117. Endrin	< 0.02	608	0.02	0.02
118. Endrin aldehyde	< 0.1	608	0.1	0.1
119. Heptachlor	< 0.01	608	0.01	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	< 0.01	608	0.01	0.01
130. Chlorpyrifos	< 0.07	608	0.07	0.07
121. PCB- 1242	< 0.2	608	0.2	0.2
122. PCB- 1254	< 0.2	608	0.2	0.2
123. PCB- 1221	< 0.2	608	0.2	0.2
124. PCB- 1232	< 0.2	608	0.2	0.2
125. PCB- 1248	< 0.2	608	0.2	0.2
126. PCB- 1260	< 0.2	608	0.2	0.2
127. PCB- 1016	< 0.2	608	0.2	0.2
128. Toxaphene	< 0.3	608	0.3	0.3



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**Outfall 002**

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. (501) 455-3233

8100 National Drive, Little Rock, AR 72209

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

4. What are the certification dates?  
Issued data 10/30/2015 Expire date 10/30/2016

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

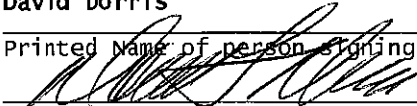
6. Date and time of samples collected:  
8/17/2016 1427

7. Date and time samples were received in the laboratory:  
8/18/2016 0829

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

9. Samples collected by:  
Name Allen Parker  
Title Arkansas Analytical  
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 persons who manage the system, or those persons 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.

David Dorris	Plant Manager
	
Printed Name of person signing	Title
Signature	Date signed
	12-1-2016

List all attachments to this form:

<i>METALS AND CYANIDE</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>1. Antimony (Total), Recoverable</i>	<b>&lt; 60</b>	<b>200.8</b>	<b>60</b>	<b>60</b>
<i>2. Arsenic (Total), Recoverable</i>	<b>4.24</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>3. Beryllium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>4. Cadmium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>5. Chromium (Total), Recoverable</i>	<b>&lt; 10</b>	<b>200.8</b>	<b>10</b>	<b>10</b>
<i>7. Chromium (6+), Dissolved</i>	<b>&lt; 10</b>	<b>SM 3500-CrB</b>	<b>10</b>	<b>10</b>
<i>8. Copper (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>9. Lead (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>10. Mercury (Total), Recoverable</i>	<b>0.00314</b>	<b>1631E</b>	<b>0.0002</b>	<b>0.005</b>
<i>12. Nickel (Total), Recoverable</i>	<b>1.38</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>13. Selenium (Total), Recoverable</i>	<b>&lt; 5</b>	<b>200.8</b>	<b>5</b>	<b>5</b>
<i>14. Silver (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>15. Thallium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>16. Zinc (Total), Recoverable</i>	<b>&lt; 20</b>	<b>200.8</b>	<b>20</b>	<b>20</b>
<i>129. Phenols, Total Recoverable</i>	<b>&lt; 5</b>	<b>420.1</b>	<b>5</b>	<b>5</b>
<i>17. Cyanide (Total), Recoverable</i>	<b>&lt; 10</b>	<b>SM 4500- CN C, E</b>	<b>10</b>	<b>10</b>

<i>DIOXIN</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>18. 2, 3, 7, 8-Tetrachloro-debenzo-p-dioxin (TCDD)</i>				<b>0.00001</b>

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	< 50	624	50	50
20. Acrylonitrile	< 20	624	20	20
21. Benzene	< 10	624	10	10
22. Bromoform	< 10	624	10	10
23. Carbon Tetrachloride	< 2	624	2	2
24. Chlorobenzene	< 10	624	10	10
25. Chlorodibromomethane	< 10	624	10	10
26. Chloroethane	< 50	624	50	50
27. 2-Chloroethyl vinyl ether	< 10	624	10	10
28. Chloroform	< 10	624	10	10
29. Dichlorobromomethane	< 10	624	10	10
30. 1, 1-Dichloroethane	< 10	624	10	10
31. 1, 2-Dichloroethane	< 10	624	10	10
32. 1, 1-Dichloroethylene	< 10	624	10	10
33. 1, 2-Dichloropropane	< 10	624	10	10
34. 1, 3-Dichloropropylene	< 10	624	10	10
35. Ethylbenzene	< 10	624	10	10
36. Methyl Bromide [Bromomethane]	< 50	624	50	50
37. Methyl Chloride [Chloromethane]	< 50	624	50	50
38. Methylene Chloride	< 20	624	20	20
39. 1, 1, 2, 2-Tetrachloroethane	< 10	624	10	10
40. Tetrachloroethylene	< 10	624	10	10
41. Toluene	< 10	624	10	10
42. 1, 2-trans-Dichloroethylene	< 10	624	10	10
43. 1, 1, 1-Trichloroethane	< 10	624	10	10
44. 1, 1, 2-Trichloroethane	< 10	624	10	10
45. Trichloroethylene	< 10	624	10	10
46. Vinyl Chloride	< 10	624	10	10

<i>ACID COMPOUNDS</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
47. <i>2-Chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
48. <i>2, 4-Dichlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
49. <i>2, 4-Dimethylphenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
50. <i>4, 6-Dinitro-o-Cresol [2 methyl 4, 6-dinitrophenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>50</b>
51. <i>2, 4-Dinitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
52. <i>2-Nitrophenol</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
53. <i>4-Nitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
54. <i>P-Chloro-m-Cresol [4 chloro-3-methylphenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
55. <i>Pentachlorophenol</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
56. <i>Phenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
57. <i>2, 4, 6-Tri chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	< 10	625	10	10
59. Acenaphthylene	< 10	625	10	10
60. Anthracene	< 10	625	10	10
61. Benzo(a)anthracene	< 50	625	50	50
62. Benzo(a)pyrene	< 5	625	5	5
63. 3, 4-Benzofluoranthene	< 10	625	10	10
64. Benzo(ghi)perylene	< 20	625	20	20
65. Benzo(k)fluoranthene	< 5	625	5	5
66. Bis(2-chloroethoxy) methane	< 10	625	10	10
67. Bis(2-chloroethyl) ether	< 10	625	10	10
68. Bis(2-chloroisopropyl) ether	< 10	625	10	10
69. Bis(2-ethylhexyl) phthalate	< 10	625	10	10
70. 4-Bromophenyl phenyl ether	< 10	625	10	10
71. Butyl benzyl phthalate	< 10	625	10	10
72. 2-Chloronaphthalene	< 10	625	10	10
73. 4-Chlorophenyl phenyl ether	< 10	625	10	10
74. Chrysene	< 5	625	5	5
75. Di benzo (a, h) anthracene	< 5	625	5	5
76. 1, 2-Dichlorobenzene	< 10	624	10	10
77. 1, 3-Dichlorobenzene	< 10	624	10	10
78. 1, 4-Dichlorobenzene	< 10	624	10	10
79. 3, 3'-Dichlorobenzidine	< 5	625	5	5
80. Diethyl Phthalate	< 10	625	10	10
81. Dimethyl Phthalate	< 10	625	10	10
82. Di-n-Butyl Phthalate	< 10	625	10	10
83. 2, 4-Dinitrotoluene	< 10	625	10	10
84. 2, 6-Dinitrotoluene	< 10	625	10	10
85. Di-n-octyl Phthalate	< 10	625	10	10

<i>BASE/NEUTRAL COMPOUNDS</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
87. <i>1, 2- Di phenyl hydrazi ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
89. <i>Fluorene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
90. <i>Hexachl orobenzene</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
91. <i>Hexachl orobutadi ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
92. <i>Hexachl orocycl opentadi ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
93. <i>Hexachl oroethane</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
94. <i>Indeno (1, 2, 3- cd) pyrene (2, 3- o- phenyl ene pyrene)</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
95. <i>Isophorone</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
96. <i>Napthal ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
97. <i>Ni trobenzene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
98. <i>N- ni trosodi methyl ami ne</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
99. <i>N- ni trosodi - n- propyl ami ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
100. <i>N- ni trosodi phenyl ami ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
101. <i>Phenanthrene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
102. <i>Pyrene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
103. <i>1, 2, 4- Tri chl orobenzene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	< 0.01	608	0.01	0.01
105. Alpha-BHC	< 0.05	608	0.05	0.05
106. Beta-BHC	< 0.05	608	0.05	0.05
107. Gamma-BHC	< 0.05	608	0.05	0.05
108. Delta-BHC	< 0.05	608	0.05	0.05
109. Chlordane	< 0.2	608	0.2	0.2
110. 4, 4' - DDT	< 0.02	608	0.02	0.02
111. 4, 4' - DDE (p, p- DDX)	< 0.1	608	0.1	0.1
112. 4, 4' - DDD 9(p, p- TDE)	< 0.1	608	0.1	0.1
113. Dieldrin	< 0.02	608	0.02	0.02
114. Alpha- endosulfan	< 0.01	608	0.01	0.01
115. Beta- endosulfan	< 0.02	608	0.02	0.02
116. Endosulfan sulfate	< 0.1	608	0.1	0.1
117. Endrin	< 0.02	608	0.02	0.02
118. Endrin aldehyde	< 0.1	608	0.1	0.1
119. Heptachlor	< 0.01	608	0.01	0.01
120. Heptachlor epoxide (BHC- hexachlorocyclohexane)	< 0.01	608	0.01	0.01
130. Chlorpyrifos	< 0.07	608	0.07	0.07
121. PCB- 1242	< 0.2	608	0.2	0.2
122. PCB- 1254	< 0.2	608	0.2	0.2
123. PCB- 1221	< 0.2	608	0.2	0.2
124. PCB- 1232	< 0.2	608	0.2	0.2
125. PCB- 1248	< 0.2	608	0.2	0.2
126. PCB- 1260	< 0.2	608	0.2	0.2
127. PCB- 1016	< 0.2	608	0.2	0.2
128. Toxaphene	< 0.3	608	0.3	0.3



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**Outfall 003**

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. (501) 455-3233

8100 National Drive, Little Rock, AR 72209

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

4. What are the certification dates?  
Issued data 10/30/2015 Expire date 10/30/2016

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

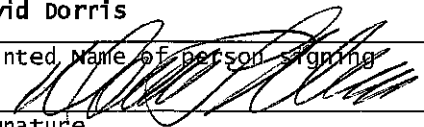
6. Date and time of samples collected:  
8/17/2016 1301

7. Date and time samples were received in the laboratory:  
8/18/2016 0829

8. Sample location (Outfall No.):  
Outfall 003

9. Samples collected by:  
Name Allen Parker  
Title Arkansas Analytical  
(501) 455-3233  
Telephone

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 persons who manage the system, or those persons 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.

David Dorris	Plant Manager
Printed Name of person signing	Title
	12-1-2016
Signature	Date signed

List all attachments to this form:

<i>METALS AND CYANIDE</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>1. Antimony (Total), Recoverable</i>	<b>&lt; 60</b>	<b>200.8</b>	<b>60</b>	<b>60</b>
<i>2. Arsenic (Total), Recoverable</i>	<b>4.45</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>3. Beryllium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>4. Cadmium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>5. Chromium (Total), Recoverable</i>	<b>&lt; 10</b>	<b>200.8</b>	<b>10</b>	<b>10</b>
<i>7. Chromium (6+), Dissolved</i>	<b>&lt; 10</b>	<b>SM 3500-CrB</b>	<b>10</b>	<b>10</b>
<i>8. Copper (Total), Recoverable</i>	<b>0.813</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>9. Lead (Total), Recoverable</i>	<b>1.41</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>10. Mercury (Total), Recoverable</i>	<b>0.00434</b>	<b>1631E</b>	<b>0.0002</b>	<b>0.005</b>
<i>12. Nickel (Total), Recoverable</i>	<b>1.29</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>13. Selenium (Total), Recoverable</i>	<b>&lt; 5</b>	<b>200.8</b>	<b>5</b>	<b>5</b>
<i>14. Silver (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>15. Thallium (Total), Recoverable</i>	<b>&lt; 0.5</b>	<b>200.8</b>	<b>0.5</b>	<b>0.5</b>
<i>16. Zinc (Total), Recoverable</i>	<b>&lt; 20</b>	<b>200.8</b>	<b>20</b>	<b>20</b>
<i>129. Phenols, Total Recoverable</i>	<b>&lt; 5</b>	<b>420.1</b>	<b>5</b>	<b>5</b>
<i>17. Cyanide (Total), Recoverable</i>	<b>&lt; 10</b>	<b>SM 4500- CN C, E</b>	<b>10</b>	<b>10</b>

<i>DIOXIN</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
<i>18. 2, 3, 7, 8-Tetrachloro-debenzo-p-dioxin (TCDD)</i>				<b>0.00001</b>

VOLATILE COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
19. Acrolein	< 50	624	50	50
20. Acrylonitrile	< 20	624	20	20
21. Benzene	< 10	624	10	10
22. Bromoform	< 10	624	10	10
23. Carbon Tetrachloride	< 2	624	2	2
24. Chlorobenzene	< 10	624	10	10
25. Chlorodibromomethane	< 10	624	10	10
26. Chloroethane	< 50	624	50	50
27. 2-Chloroethyl vinyl ether	< 10	624	10	10
28. Chloroform	< 10	624	10	10
29. Dichlorobromomethane	< 10	624	10	10
30. 1, 1-Dichloroethane	< 10	624	10	10
31. 1, 2-Dichloroethane	< 10	624	10	10
32. 1, 1-Dichloroethylene	< 10	624	10	10
33. 1, 2-Dichloropropane	< 10	624	10	10
34. 1, 3-Dichloropropylene	< 10	624	10	10
35. Ethylbenzene	< 10	624	10	10
36. Methyl Bromide [Bromomethane]	< 50	624	50	50
37. Methyl Chloride [Chloromethane]	< 50	624	50	50
38. Methylene Chloride	< 20	624	20	20
39. 1, 1, 2, 2-Tetrachloroethane	< 10	624	10	10
40. Tetrachloroethylene	< 10	624	10	10
41. Toluene	< 10	624	10	10
42. 1, 2-trans-Dichloroethylene	< 10	624	10	10
43. 1, 1, 1-Trichloroethane	< 10	624	10	10
44. 1, 1, 2-Trichloroethane	< 10	624	10	10
45. Trichloroethylene	< 10	624	10	10
46. Vinyl Chloride	< 10	624	10	10

<i>ACID COMPOUNDS</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
47. <i>2-Chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
48. <i>2, 4-Dichlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
49. <i>2, 4-Dimethylphenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
50. <i>4, 6-Dinitro-o-Cresol [2 methyl 4, 6-dinitrophenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>50</b>
51. <i>2, 4-Dinitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
52. <i>2-Nitrophenol</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
53. <i>4-Nitrophenol</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
54. <i>P-Chloro-m-Cresol [4 chloro-3-methylphenol]</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
55. <i>Pentachlorophenol</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
56. <i>Phenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
57. <i>2, 4, 6-Tri chlorophenol</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>

BASE/NEUTRAL COMPOUNDS	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
58. Acenaphthene	< 10	625	10	10
59. Acenaphthylene	< 10	625	10	10
60. Anthracene	< 10	625	10	10
61. Benzo(a)anthracene	< 50	625	50	50
62. Benzo(a)pyrene	< 5	625	5	5
63. 3, 4-Benzofluoranthene	< 10	625	10	10
64. Benzo(ghi)perylene	< 20	625	20	20
65. Benzo(k)fluoranthene	< 5	625	5	5
66. Bis(2-chloroethoxy)methane	< 10	625	10	10
67. Bis(2-chloroethyl) ether	< 10	625	10	10
68. Bis(2-chloroisopropyl) ether	< 10	625	10	10
69. Bis(2-ethylhexyl) phthalate	< 10	625	10	10
70. 4-Bromophenyl phenyl ether	< 10	625	10	10
71. Butyl benzyl phthalate	< 10	625	10	10
72. 2-Chloronaphthalene	< 10	625	10	10
73. 4-Chlorophenyl phenyl ether	< 10	625	10	10
74. Chrysene	< 5	625	5	5
75. Di benzo (a, h) anthracene	< 5	625	5	5
76. 1, 2-Dichlorobenzene	< 10	624	10	10
77. 1, 3-Dichlorobenzene	< 10	624	10	10
78. 1, 4-Dichlorobenzene	< 10	624	10	10
79. 3, 3'-Dichlorobenzidine	< 5	625	5	5
80. Diethyl Phthalate	< 10	625	10	10
81. Dimethyl Phthalate	< 10	625	10	10
82. Di-n-Butyl Phthalate	< 10	625	10	10
83. 2, 4-Dinitrotoluene	< 10	625	10	10
84. 2, 6-Dinitrotoluene	< 10	625	10	10
85. Di-n-octyl Phthalate	< 10	625	10	10

<i>BASE/NEUTRAL COMPOUNDS</i>	<b>LABORATORY ANALYSIS</b>			<i>REQUIRED MQL (µg/l)</i>
	<i>RESULTS (µg/l)</i>	<i>APPROVED EPA METHOD USED</i>	<i>DETECTION LEVEL ACHIEVED (µg/l)</i>	
87. <i>1, 2- Di phenyl hydrazi ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
89. <i>Fluorene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
90. <i>Hexachl orobenzene</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
91. <i>Hexachl orobutadi ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
92. <i>Hexachl orocycl opentadi ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
93. <i>Hexachl oroethane</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
94. <i>Indeno (1, 2, 3- cd) pyrene (2, 3- o- phenyl ene pyrene)</i>	<b>&lt; 5</b>	<b>625</b>	<b>5</b>	<b>5</b>
95. <i>Isophorone</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
96. <i>Napthal ene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
97. <i>Ni trobenzene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
98. <i>N- ni trosodi methyl ami ne</i>	<b>&lt; 50</b>	<b>625</b>	<b>50</b>	<b>50</b>
99. <i>N- ni trosodi - n- propyl ami ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
100. <i>N- ni trosodi phenyl ami ne</i>	<b>&lt; 20</b>	<b>625</b>	<b>20</b>	<b>20</b>
101. <i>Phenanthrene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
102. <i>Pyrene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>
103. <i>1, 2, 4- Tri chl orobenzene</i>	<b>&lt; 10</b>	<b>625</b>	<b>10</b>	<b>10</b>

PESTICIDES	LABORATORY ANALYSIS			REQUIRED MQL (µg/l)
	RESULTS (µg/l)	APPROVED EPA METHOD USED	DETECTION LEVEL ACHIEVED (µg/l)	
104. Aldrin	< 0.01	608	0.01	0.01
105. Alpha-BHC	< 0.05	608	0.05	0.05
106. Beta-BHC	< 0.05	608	0.05	0.05
107. Gamma-BHC	< 0.05	608	0.05	0.05
108. Delta-BHC	< 0.05	608	0.05	0.05
109. Chlordane	< 0.2	608	0.2	0.2
110. 4, 4' - DDT	< 0.02	608	0.02	0.02
111. 4, 4' - DDE (p, p- DDX)	< 0.1	608	0.1	0.1
112. 4, 4' - DDD 9(p, p- TDE)	< 0.1	608	0.1	0.1
113. Dieldrin	< 0.02	608	0.02	0.02
114. Alpha-endosulfan	< 0.01	608	0.01	0.01
115. Beta-endosulfan	< 0.02	608	0.02	0.02
116. Endosulfan sulfate	< 0.1	608	0.1	0.1
117. Endrin	< 0.02	608	0.02	0.02
118. Endrin aldehyde	< 0.1	608	0.1	0.1
119. Heptachlor	< 0.01	608	0.01	0.01
120. Heptachlor epoxide (BHC-hexachlorocyclohexane)	< 0.01	608	0.01	0.01
130. Chlorpyrifos	< 0.07	608	0.07	0.07
121. PCB- 1242	< 0.2	608	0.2	0.2
122. PCB- 1254	< 0.2	608	0.2	0.2
123. PCB- 1221	< 0.2	608	0.2	0.2
124. PCB- 1232	< 0.2	608	0.2	0.2
125. PCB- 1248	< 0.2	608	0.2	0.2
126. PCB- 1260	< 0.2	608	0.2	0.2
127. PCB- 1016	< 0.2	608	0.2	0.2
128. Toxaphene	< 0.3	608	0.3	0.3

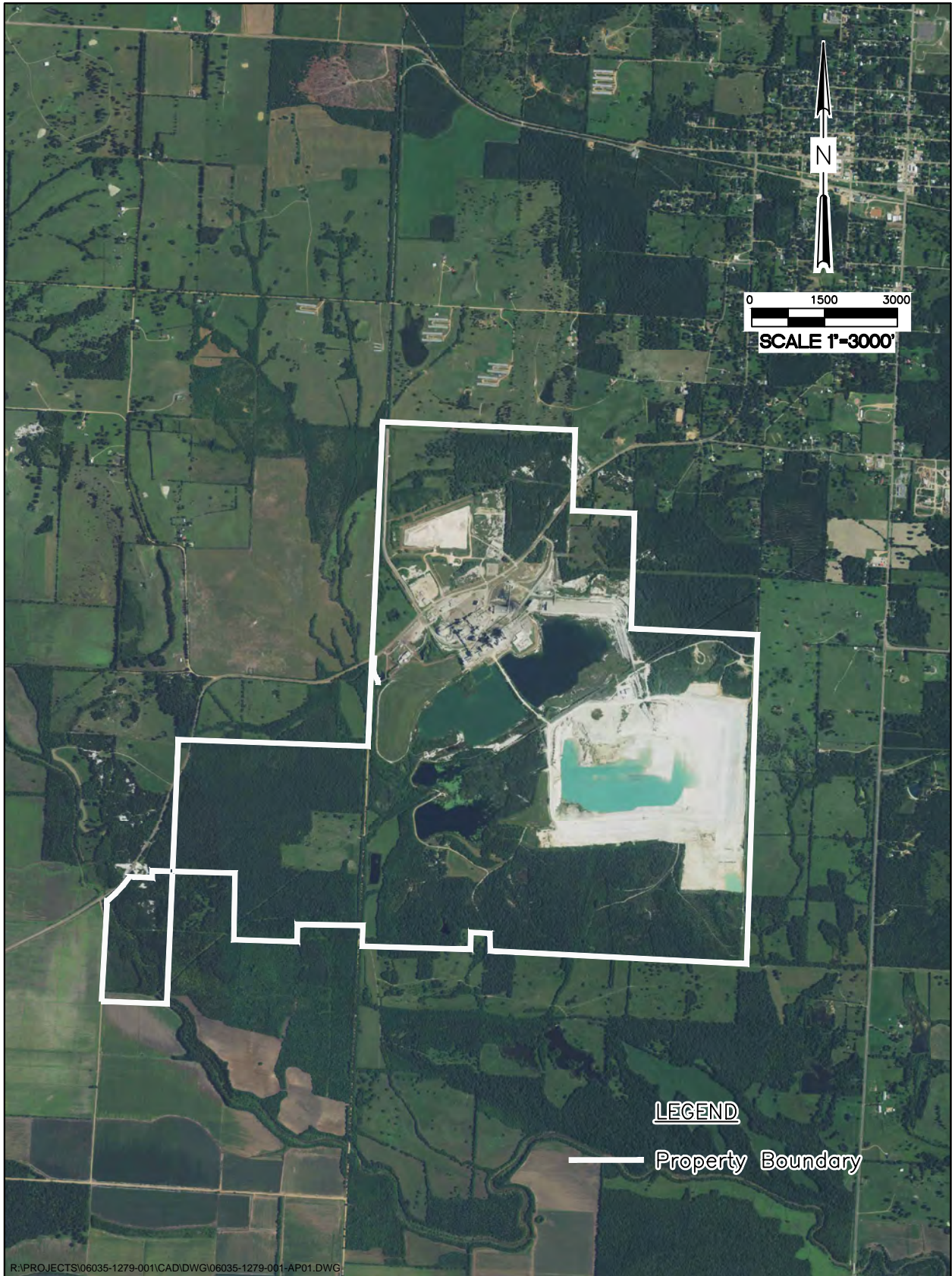


## **MAPS & DIAGRAMS**

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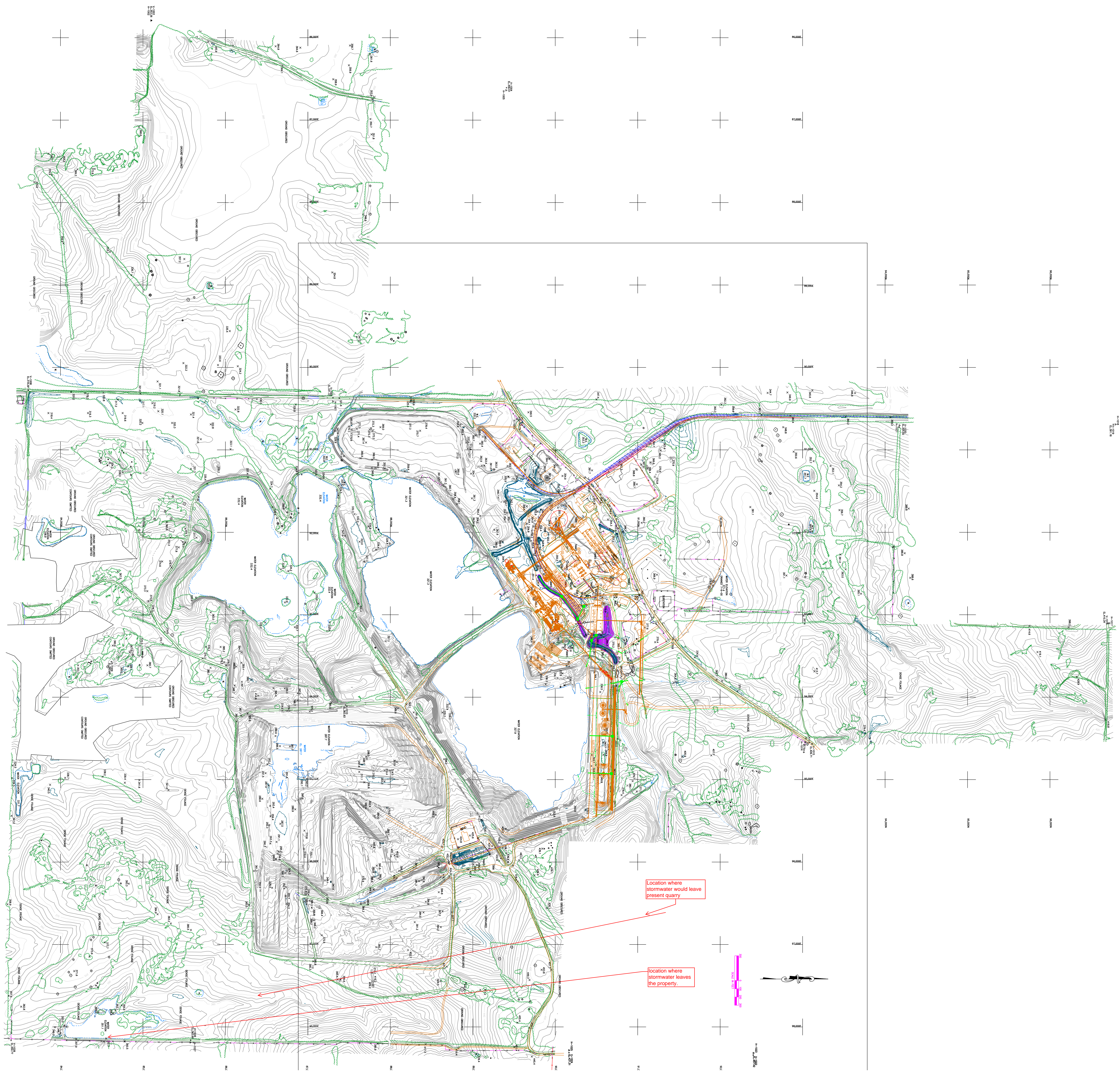
**Location Map**



Site Image Ash Grove Cement Company Foreman, AR.

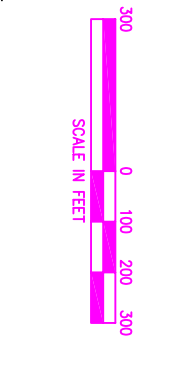
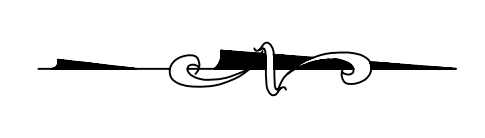
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**Topographic Map**



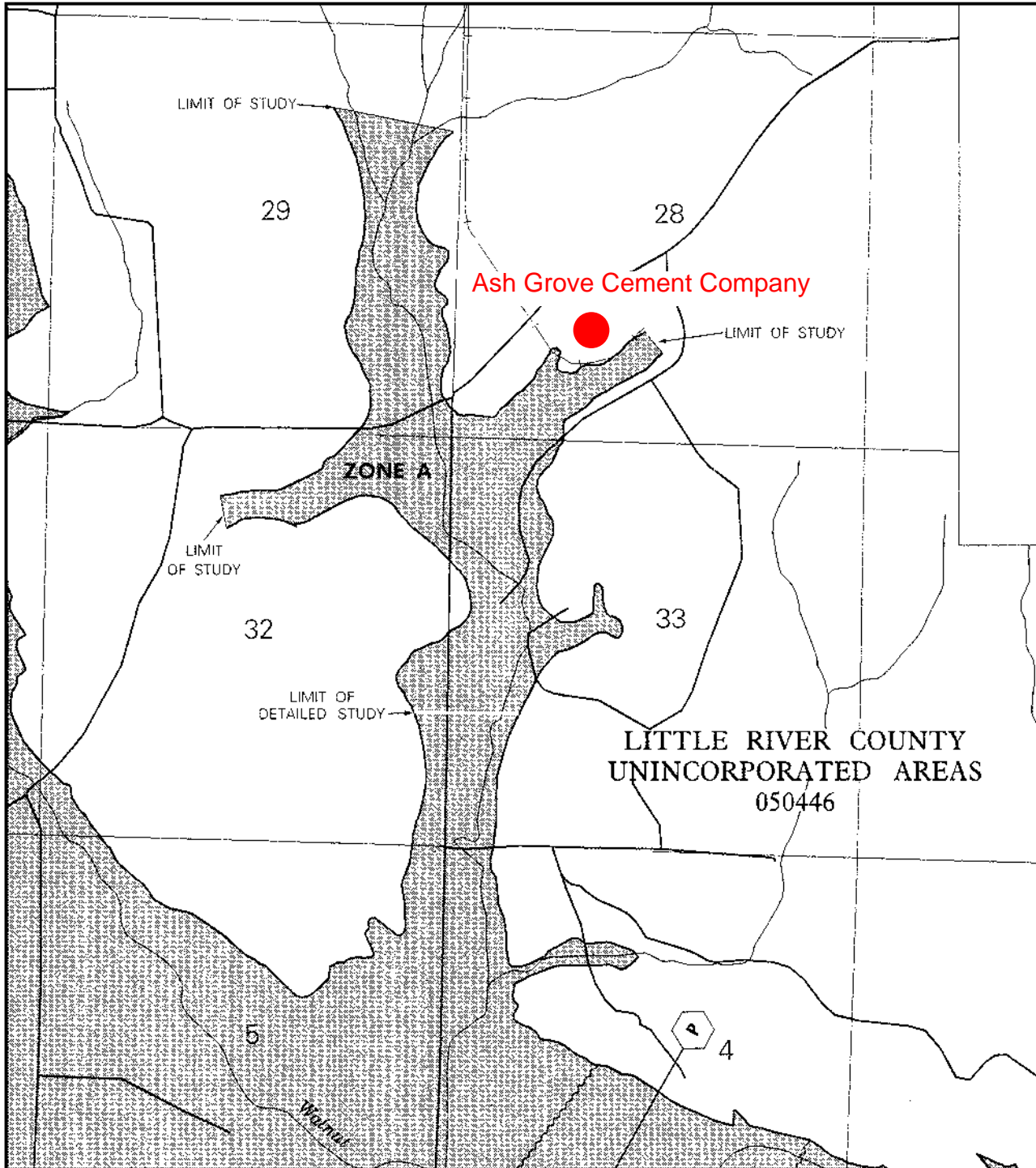
Location where stormwater would leave present quarry

Location where stormwater leaves the property.



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**FIRM Map**



APPROXIMATE SCALE IN FEET  
 2000 0 2000

**NATIONAL FLOOD INSURANCE PROGRAM**

**FIRM  
 FLOOD INSURANCE RATE MAP**

**LITTLE RIVER COUNTY,  
 ARKANSAS AND  
 INCORPORATED AREAS**

**PANEL 200 OF 475**  
 (SEE MAP INDEX FOR PANELS NOT PRINTED)

CONTAINS: COMMUNITY	NUMBER	PANEL	SUFFIX
FOREMAN CITY OF LITTLE RIVER COUNTY	050446	0200	D
UNINCORPORATED AREAS	050446	0200	D

**MAP NUMBER  
 05081C0200 D**

**EFFECTIVE DATE:  
 JANUARY 7, 1998**



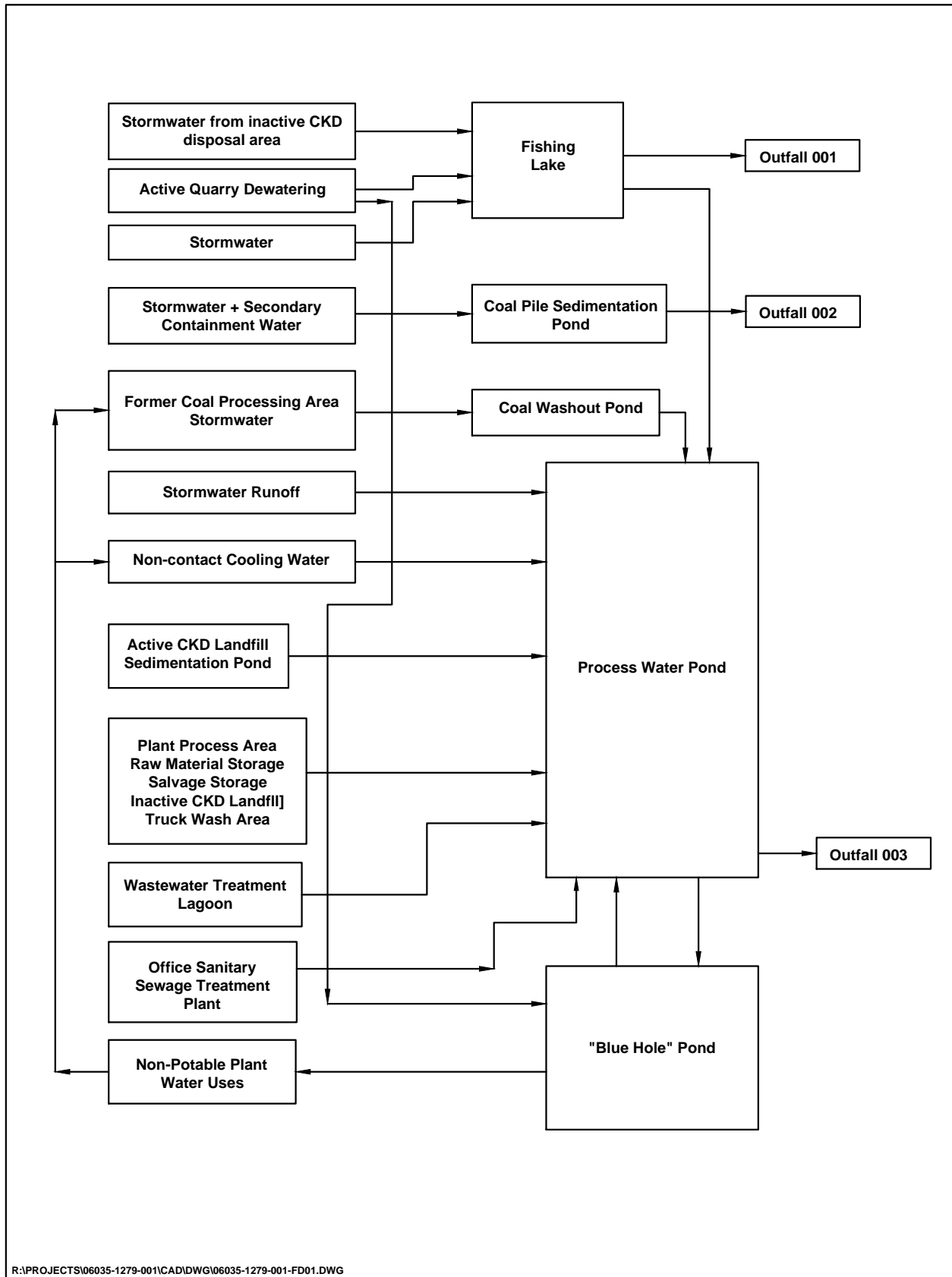
Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)

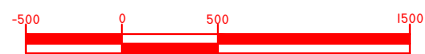
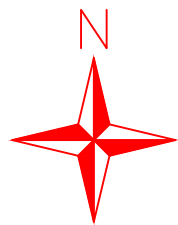
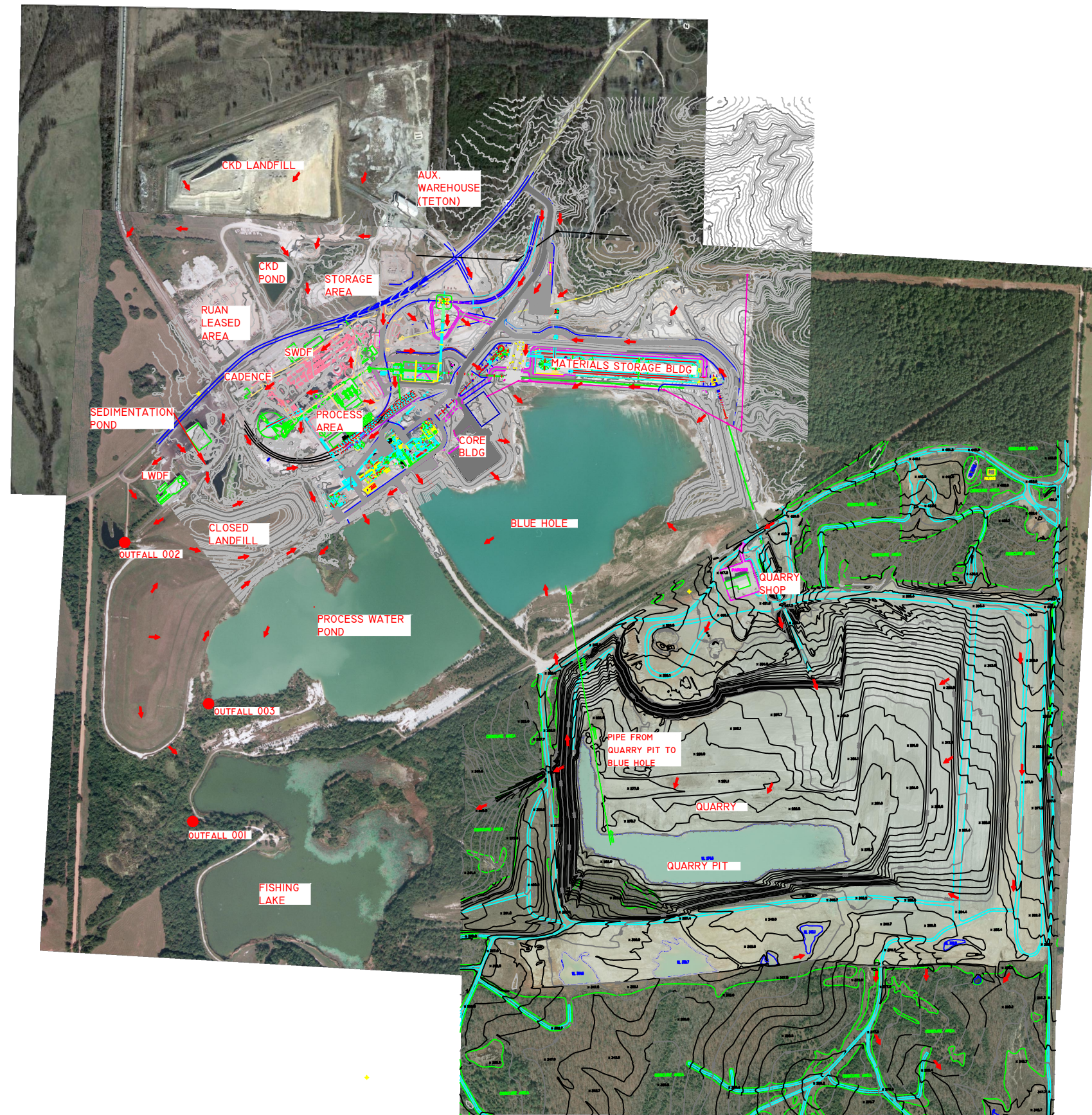
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**Flow Diagram**





Wastewater Flow Diagram Ash Grove Cement.



NO.	REVISION	BY	DATE	APP	NO.	REVISION	BY	DATE	APP

SCALE AS SHOWN  
 APPROVED DATE 9-29-14  
 DESIGNED PLB  
 DRAFTED JLB  
 APPROVED CB



13000 CANTRELL ROAD  
 LITTLE ROCK, AR 72223  
 PHONE: 501-975-8100  
 FAX: 501-975-6789

ASH GROVE CEMENT COMPANY  
 FOREMAN, ARKANSAS  
 SPCC PLAN  
 OVERALL DRAINAGE MAP

ASH GROVE CEMENT COMPANY



CONTRACT NO.