

Permit No. 4007-WR-4
AFIN No. 14-00011

**AUTHORIZATION FOR A NO-DISCHARGE WATER PERMIT UNDER
THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT**

In accordance with the provisions of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et seq.* and Ark. Code. Ann. § 8-4-201 *et seq.*):

Albemarle Corporation
2270 Highway 79 South
Magnolia, AR 71754

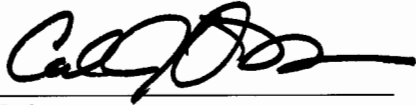
is authorized to operate and maintain the surface facilities associated with the West Brinefield System located as follows: on Highway 371 4.3 miles west of Magnolia in Columbia County, Arkansas. The facility is located at the following coordinates:

Latitude: 33° 15' 51" North Longitude: 93° 18' 50" West

Operation shall be in accordance with all conditions set forth in this permit.

Effective Date: November 1, 2018

Expiration Date: October 31, 2023



Caleb J. Osborne
Associate Director, Office of Water Quality
Arkansas Department of Environmental Quality



Issue Date

Part I
SPECIFIC CONDITIONS

1. This permit is for the operation of the **storage impoundments and transmission pipelines** of the Albemarle West Brinefield System (WBFS), consisting of storage and handling of brine and tail brine for and from chemical manufacturing process units, recovered brine from spills or pipeline failures, and tail brine from the Albemarle Corporation West and South Brinefield Systems. No other materials or solids characterized as hazardous, as defined under Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 23, shall be managed in this facility.
2. The West Brinefield System will receive feed brine from underground geological formations via Arkansas Oil and Gas Commission (AOGC)-permitted brine production wells, tail brine, and operational brine spill material from both the West Brine Pretreatment and Management System (ADEQ permit no. 0690-WR-5) and South Brinefield System (ADEQ permit no. 2189-WR-8). The recovered tail brine and any operational brine spills at the West Plant Facility are then injected into AOGC-permitted Class V Underground Injection Control (UIC) wells. The West Brinefield System may receive tail brine from the South Brinefield System if needed to maintain optimum operations. These systems handle waste fluids disposed of in Class V UIC nonhazardous waste disposal wells. No other wastewater streams are authorized for treatment and/or disposal at this time. **This permit does not authorize the operator to inject.**
3. Around the above ground storage tank there shall be constructed an impermeable containment berm (firewall) capable of holding 1.5 times the capacity of the tank. No drains, valves, siphon hoses, or gates should be installed that would allow the uncontrolled discharge of fluids, including collected stormwater, contained within the firewall. Draining of uncontaminated collected stormwater from within the firewall (not mixed with EPA-defined non-exempt RCRA waste) is not allowed unless the contained stormwater has been visually inspected and meets the criteria for stormwater as listed in AOGC Rule B-26, Section e)5)A). Any indication of Brine Disposal System leakage, seepage, or secondary containment failure from the unit shall be reported to the Department immediately or within twenty-four (24) hours of discovery. The Permittee shall take all necessary steps to repair the leak and submit plans and specifications to the Department for remediating any resultant contamination caused by the leakage from the Brine Disposal System.
4. Waste shall not be discharged from this operation to the waters of the State or onto the land in any manner that may result in runoff to the waters of the State.
5. The containment berm (firewall) should be kept free of excess vegetation that might compromise containment capabilities or cause leakage from the containment berm. Stormwater runoff commingling with waste will be collected

- in a sump that pumps back into the system and by vacuum trucks that collect the runoff and haul it to a permitted non-hazardous UIC well for disposal. All above ground transmission pipelines must be kept free from excessive vegetation along their entire length such that it may be visually inspected by the operator and the Department.
6. The waste disposal system shall be operated and maintained in accordance with the final plans and specifications as approved by the ADEQ.
 7. No extension or modification of the system facilities may be made without the issuance of a new permit or permit modification. The ADEQ shall be notified upon any modification of the system which may require permit modification.
 8. By-passing of the disposal system is prohibited and may result in revocation of this permit and/or other appropriate enforcement action by the Department. If either surge, storage, and/or treatment capacity of the West and South Brinefield Systems is exceeded or if disposal into the Class V UIC wells is restricted or at capacity, the Permittee shall curtail plant activities to allow the proper operation of the West Brinefield System and to avert the need to by-pass. The Permittee shall notify the Department within 24 hours when such a situation exists.
 9. Records must be kept of the volumes of feed brine, tail brine, and operational brine spill material disposed in the West Brinefield System. Also included shall be records of any repairs conducted on the pipelines, any discharge occurrences, and other system modifications. These records must be maintained on site and must be made available to the Department upon request.
 10. This permit is issued in reliance upon the statements and representations made in the application and associated documents. The Department has no responsibility for the adequacy or proper functioning of the brine management and disposal system.
 11. Should the facility under this permit cease operations, the permittee shall submit to the Department, for approval, a closure plan for the system storage structures within sixty (60) days of the final day of operation. The closure plan shall be approved by a professional engineer in good standing registered in the State of Arkansas. Within ten (10) days of completion of closure activities, the permittee must submit certification that the facility was closed in accordance with the approved plan. Once the closure certification is received by the Department, the permittee may request termination of the permit.

Part II
STANDARD CONDITIONS

1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-101 *et seq.* and is grounds for civil and administrative enforcement action; for permit termination, revocation and reissuance, or modification; or for rejection of a permit renewal application.

2. Penalties for Violations of Permit Conditions

The Arkansas Water and Air Pollution Control Act, Ark. Code Ann. § 8-4-101 *et seq.* provides that any person who violates any provisions of a permit issued under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year, or a fine of not more than twenty-five thousand dollars (\$25,000) or both for each day of such violation. Any person who violates any provision of a permit issued under the Act may also be subject to a civil penalty not to exceed ten thousand dollars (\$10,000) for each day of such violation. The fact that any such violation may constitute a misdemeanor shall not be a bar to the maintenance of such civil action.

3. Permit Actions

- A. This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to the following:
- i. Violation of any terms or conditions of this permit;
 - ii. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
 - iii. A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination; or
 - iv. Failure of the permittee to comply with the provisions of Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation No. 9 (Permit fees).
- B. The filing of a request by the permittee for a permit modification, revocation and reissuance, termination, or a notification of planned changes or anticipated noncompliance, does not suspend any permit condition.

4. **Civil and Criminal Liability**

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance. Any false or materially misleading representation or concealment of information required to be reported by the provisions of this permit or applicable state statutes or regulations which defeats the regulatory purposes of the permit may subject the permittee to criminal enforcement pursuant to the Arkansas Water and Air Pollution Control Act, (Ark. Code Ann. § 8-4-101 *et seq.*).

5. **Oil and Hazardous Substance Liability**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Clean Water Act and Section 106 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

6. **State Laws**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation.

7. **Property Rights**

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

8. **Severability**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provisions of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

9. **Permit Fees**

The permittee shall comply with all applicable permit fee requirements (i.e., including annual permit fees following the initial permit fee that will be invoiced every year the permit is active) for no-discharge permits as described in APC&EC Regulation No. 9 (Regulation for the Fee System for Environmental Permits). Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit the provisions of APCEC Regulation No. 8.

10. **Proper Operation and Maintenance**

A. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

B. The permittee shall provide an adequate and trained operating staff which is duly qualified to carry out operation, maintenance, and testing functions required to insure compliance with the conditions of this permit.

11. **Duty to Mitigate**

The permittee shall take all reasonable steps to prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health, the environment, or the water receiving the discharge.

12. **Removed Substances**

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of waste waters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the waters of the State.

13. **Reporting of Violations and Unauthorized Discharges**

A. Any violations to this permit must be reported to the Enforcement Branch of the Department immediately or within twenty-four (24) hours of discovery. Any leaks or seeps shall be reported to the Department and appropriately corrected. Any discharge from the fluids storage system such as an overflow, a broken pipe, etc., shall be immediately reported to the Department. See the

ADEQ Guidelines for Reporting, Responding to and Remediating Crude Oil, Saltwater and Brine Spills, (June 11, 2004)

B. The operator shall visually monitor and report immediately or within twenty-four (24) hours of discovery to the Enforcement Branch any unauthorized discharge from any facility caused by dike or structural failure, equipment breakdown, human error, etc., and shall follow up with a written report within five (5) days of such occurrence. The written report shall contain the following:

- i. A description of the permit violation and its cause;
- ii. The period of the violation, including exact times and dates;
- iii. If the violation has not been corrected, the anticipated time expected to correct the violation; and
- iv. Steps taken or planned to reduce, eliminate, and prevent the recurrence of the violation.

C. Reports shall be submitted to the Enforcement Branch at the following address:

Arkansas Department of Environmental Quality
Office of Water Quality, Enforcement Branch
5301 Northshore Dr.
North Little Rock, Arkansas 72118
Fax (501) 682-0910

Or

Water-enforcement-report@adeq.state.ar.us

14. **Penalties for Tampering**

The Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et seq.*) provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year or a fine of not more than ten thousand dollars (\$10,000) or by both such fine and imprisonment.

15. **Laboratory Analysis**

All laboratory analyses submitted to the Department shall be completed by a laboratory accredited by ADEQ under Ark. Code Ann. § 8-2-201 *et seq.* Analyses for the permittee's internal quality control or process control do not need to be performed by an ADEQ accredited laboratory.

16. Retention of Records

The permittee shall retain records of all monitoring information, copies of all reports required by this permit, and records of all data used to complete the application for this permit for a period of at least three (3) years from the date of the sample, measurement, report, or application. This period may be extended by request of the Director at any time.

17. Record Contents

Records and monitoring information shall include:

- A. The date, exact place, time, and methods of sampling or measurements, and preservatives used, if any;
- B. The individuals(s) who performed the sampling or measurements;
- C. The date(s) the analyses were performed;
- D. The individual(s) who performed the analyses;
- E. The analytical techniques or methods used; and
- F. The measurements and results of such analyses.

18. Inspection and Entry

The permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- A. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- C. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
- D. Sample, inspect, or monitor at reasonable times, for the purposes of assuring permit compliance any substances or parameters at any location.

19. **Planned Changes**

The permittee shall give notice and provide the necessary information to the Director for review and approval prior to any planned physical alterations or additions to the permitted facility.

20. **Anticipated Noncompliance**

The permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

21. **Transfers**

The permit is nontransferable to any person except after notice to the Director. The Director may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Act.

22. **Duty to Provide Information**

The permittee shall furnish to the Director, within a reasonable time, any information which the Director may request to determine whether cause exists for modifying; revoking and reissuing, or terminating this permit; or to determine compliance with this permit. The permittee shall also furnish to the Director, upon request, copies of records required to be kept by this permit. Information shall be submitted in the form, manner and time frame requested by the Director.

23. **Duty to reapply**

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The complete application shall be submitted at least 180 days before the expiration date of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Conditions of this permit will continue in effect past the expiration date pending issuance of a new permit, if:

- A. The permittee has submitted a timely and complete application; and
- B. The Director, through no fault of the permittee, does not issue a new permit prior to the expiration date of the previous permit.

24. Signatory Requirements

- A. All applications, reports or information submitted to the Director shall be signed and accredited. All permit applications shall be signed as follows:
- i. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:
 - a. A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
 - b. The manager of one or more manufacturing, production, or operation facilities, provided the manager is authorized to make management decisions which govern the operation of the regulated facility including: having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - ii. For a partnership or sole proprietorship: by a general partner or proprietor, respectively; or
 - iii. For a municipality, State, Federal, or other public agency; by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
 - a. The chief executive officer of the agency, or
 - b. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
- B. All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
- i. The authorization is made in writing by a person described above,
 - ii. The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized

representative may thus be either a named individual or any individual occupying a named position); and

iii. The written authorization is submitted to the Director.

- C. Any person signing a document under this section shall make the following 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.”*

25. Availability of Reports

Except for data determined to be confidential under the Arkansas Trade Secrets Act (Ark. Code Ann. § 4-75-601 *et seq.*), all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department of Environmental Quality. The name and address of any permit applicant or permittee, permit applications, permits, and waste data shall not be considered confidential.

26. Penalties for Falsification of Reports

The Arkansas Air and Water Pollution Control Act provides that any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this permit shall be subject to civil penalties and/or criminal penalties under the authority of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et seq.*).

27. Applicable Federal, State, or Local Requirements

Permittees are responsible for compliance with all applicable terms and conditions of this permit. Receipt of this permit does not relieve any operator of the responsibility to comply with any other applicable Federal, State, or local statute, ordinance policy, or regulation.

Part III
DEFINITIONS

“**Act**” means the Arkansas Water and Air Pollution Control Act (A.C.A. §. 8-4-101 *et seq.*), as amended.

“**AOGC**” means the Arkansas Oil and Gas Commission.

“**Air stripper**” means a device that promotes contact between air and liquids, stripping out volatile compounds.

“**APCEC**” means the Arkansas Pollution Control and Ecology Commission.

“**Applicable water quality standards**” means all water quality standards to which a discharge is subject under the federal Clean Water Act and which has been (a) approved or permitted to remain in effect by the Administrator following submission to the Administrator pursuant to Section 303 (a) of the Act, or (b) promulgated by the Director pursuant to Section 303(b) or 303(c) of the Act, and standards promulgated under Regulation No. 2, as amended, (regulation establishing water quality standards for surface waters of the State of Arkansas).

“**BRU**” means Bromine Recovery Unit.

“**Brine**” means water containing more dissolved inorganic salt than typical seawater and/or water containing salts in solution, such as sodium, calcium, or bromides.

“**Department**” means the Arkansas Department of Environmental Quality (ADEQ).

“**Director**” means the Director of the Arkansas Department of Environmental Quality.

“**EWTS**” means Extraneous Water Treatment System.

“**Leachate**” means any liquid that, in the course of passing through matter, extracts soluble or suspended solids, or any other component of the material through which it has passed.

“**Pumper**” means the individual whose responsibilities include checking tank levels, making sure the chemical injection pumps and other pumps are operating properly, verifying annulus pressure, injection pressure, and flow volume throughout the system and to the injection wells on a daily basis.

“**RCRA**” means the federal Resource Conservation and Recovery Act of 1976.

“**Severe property damage**” means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in products.

“**Tail brine**” means the residual brine left after the debromination process.

“**UIC**” means underground injection control.

STATEMENT OF BASIS

This Statement of Basis is for information and justification of the permit limits only and is not enforceable. This permit decision is for renewal of a No-Discharge operation under permit number 4007-WR-4 and AFIN (file) number 14-00028.

1. Permitting Authority

Arkansas Department of Environmental Quality
Office of Water Quality, Permits Branch
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317

2. Applicant

Albemarle Corporation
2270 Highway 79 South
P. O. Box 729
Magnolia, AR 71754-0729
Contact: Steve Card, Senior HSE Manager
steve.card@albemarle.com
(870)-235-6270

3. Facility Location

The facility is located as follows: on AR Highway 371, 4.3 miles west of Magnolia in Columbia County, Arkansas. The facility is located at the following coordinates:

Latitude: 33° 15' 51" North Longitude: 93° 18' 50" West

4. Waterbody Evaluation

The facility is located in Stream Segment 1A of the Red River Basin 759 feet from a tributary to Dismukes Branch which is not in the Nutrient Surplus Area. Surrounding areas were evaluated to determine if any Extraordinary Resource Waters (ERWs), Ecologically Sensitive Waterbodies (ESWs), Natural or Scenic Rivers, or waterbodies in the 2016 ADEQ 303(d) list of impaired waterbodies in the State of Arkansas are near the facility. The waterbody evaluation determined that the facility is not within ten (10) miles of any of these waterbodies.

4. Permit History

- A. Permit 4007-WR-3 was issued December 19, 2013, effective January 1, 2014, with an expiration date of December 31, 2018. Changes from the previous permit the addition of tail brine from the South Brinefield Injection System (permit no. 2189-WR-7).
- B. Permit 4007-WR-2 was issued August 30, 2007, effective September 1, 2007, with an expiration date of August 31, 2012.
- C. Permit 4007-WR-1 was issued May 8, 2001, effective May 8, 2001, with an expiration date of May 8, 2006.
- D. Permit 4007-W was originally issued June 4, 1991, effective July 4, 1991, with no expiration date.

5. Permit Activity

Previous Permit No.: 4007-WR-3
Previous AFIN: 14-00011
Effective Date: January 1, 2014
Expiration Date: December 31, 2018

The permittee submitted a permit renewal application on March 15, 2018. It is proposed that the current water no-discharge permit be reissued for a five-year term.

Site Visits/Inspections:

An inspection for this facility was conducted on July 5, 2017. No violations were observed at the time of the inspection.

6. Applicant Activity

Under the standard industrial classification (SIC) code 4619 or North American Industry Classification System (NAICS) code 486990, the applicant activities are the operation of the surface facilities associated with a brine management and pretreatment system.

7. Waste Storage Component(s)

The feed brine is pumped from the production well system into two feed brine holding tanks with a capacity of 60,000 gallons (MS-1) and 200,000 gallons (MS-2) each. After the Plant removes the bromide, it returns the tail brine to the two holding tanks. Treated recovered ground water/brine from the Brine Pretreatment and Management System covered under ADEQ permit 0690-WR-4 may also be added to the system, if needed. Tail brine is pumped into the UIC Class V brine disposal wells regulated by Arkansas Oil and Gas Commission. All brine lines and holding facilities are considered to be part of

the West Brinefield System covered by this permit. The containment system is monitored daily by system operators.

Stormwater/rainwater collected in the secondary containment is pumped back into the system. Draining of uncontaminated collected stormwater from within the firewall (not mixed with EPA-defined non-exempt RCRA waste) is not allowed.

8. Storage Volume Requirements

The secondary containment for the tanks is an 8 inch thick compacted clay liner with a berm that is 5.5 feet tall, with a total capacity of 891,092 gallons, which is more than 1.5 times the size of the largest tank.

9. Solids Removal

As part of the proper operation of the disposal system and in order to maintain operation of the disposal wells, solid material accumulated in the brine management and disposal system shall be removed as necessary to maintain the design volumes. The solids will be tested and disposed of in a permitted facility.

10. Basis For Permit Conditions

The Arkansas Department of Environmental Quality has made a tentative determination to issue a permit for the no-discharge facility as described in the application and waste management plan. Permit requirements and conditions are based on regulations pursuant to the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. 8-4-101 *et seq* and A.C.A. Sec. 8-4-201 *et seq.*) Standard Conditions have been included in this permit based on the sources listed below and generally accepted scientific knowledge, engineering practices, and the authority of the Arkansas Water and Air Pollution Control Act (Ark. Code Ann. § 8-4-101 *et. seq.*).

11. Point of Contact

The following staff contributed to the preparation of this permit:

Linda Hanson
Geologist P.G.
Permits Branch, Office of Water Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317
501-682-0648
E-mail: hanson@adeq.state.ar.us

Technical review:

Jamal Solaimanian, Ph.D., P.E.
Engineer Supervisor, No Discharge Section
Permits Branch, Office of Water Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317
501-682-0620
E-mail: jamal@adeq.state.ar.us

12. Sources

The following Sources were used to draft the permit:

- A. Arkansas Pollution Control and Ecology Commission (APC&EC) Regulation 1, Regulation for the Prevention of Pollution by Salt Water and other Oil Field Wastes Produced by Wells in All Fields or Pools, as amended.
- B. APC&EC Regulation No. 2, Water Quality Standards for Surface Waters of the State of Arkansas, as amended.
- C. APC&EC Regulation No. 8, Administrative Procedures, as amended.
- D. APC&EC Regulation No. 9, Fee System for Environmental Permits, as amended.
- E. Arkansas Water and Air Pollution Control Act. (Ark. Code Ann. 8-4-101 *et seq.*).
- F. Integrated Water Quality and Assessment Report (305(b) Report).
- G. Arkansas Oil and Gas Commission (AOGC) Rule B-34, Notice of Fire, Breaks, or Blow-Outs and Remediation of Associated Spills of Crude Oil and Produced Water.
- H. ADEQ Guidelines for Reporting, Responding to and Remediating Crude Oil, Saltwater, and Brine Spills, rev. June 11, 2004.
- I. Inspection report dated July 5, 2017.
- J. Application for permit no. 4007-WR-4 dated March 15, 2018.
- K. ADEQ permit no. 2189-WR-8.
- L. ADEQ permit no. 0690-WR-5.

13. Annual Fee

In accordance with APC&EC Regulation No. 9, the annual fee for this permit is \$500.

14. Public Notice

The public notice for the draft permit was published on September 3, 2018. No comments were received concerning the permit decision.