

RESPONSE TO COMMENTS FINAL PERMITTING DECISION

Permit No.: AR0000591

Applicant: Martin Operating Partnership L.P.

Prepared by: Loretta Reiber, P.E.

The following are responses to comments received regarding the draft permit number above and are developed in accordance with regulations promulgated at 40 C.F.R. §124.17 as incorporated in APCEC Regulation 6.104(A)(5), APCEC Regulation No. 8 Administrative Procedures, and A.C.A. §8-4-203 e(2).

Introduction

The above permit was submitted for public comment on August 6, 2015. The public comment period ended on September 8, 2015. The Arkansas Department of Environmental Quality (hereinafter “ADEQ”) received a comment letter from the permittee during the public comment period.

This document contains a summary of the comment that the ADEQ received during the public comment period. No changes to the permit were made as a result of the comment.

Comment 1 The permittee stated that they intend to build a wastewater treatment plant (WWTP) that will include a MBBR biological treatment system as described in the application. They will be submitting a modification to the final design based on the results of an upcoming pilot test of the technology. A pilot test will be conducted at the facility and will consist of a small portable MBBR unit that is capable of treating 1 – 5 gpm of effluent from the existing DAF units.

The permittee anticipates the test starting on September 28, 2015, and lasting six to eight weeks. They estimate that it will take 60 days to evaluate the test results and finalize the WWTP design. At that time, the data will be submitted for review and modification of the construction permit.

Response: The Department acknowledges this comment. The permittee must submit an application to modify the permit if any aspects of the approved design are changed.

The pilot study was approved by the Department in a letter dated September 29, 2015. Therefore, the pilot study will not be further addressed in this response to comments.

STATE CONSTRUCTION PERMIT

Permit Number: AR0000591C

TO:
Martin Operating Partnership L.P.
484 East 6th Street
Smackover, AR 71762

Consulting Engineer:
GBMc & Associates
219 Brown Lane
Bryant, AR 72022

This permit is your authority to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on January 27, 2015, with all additional information received by June 12, 2015, under authority of the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-201 et seq.) and the following terms and conditions.

1. The treatment system shall be modified in accordance with the final plans and specifications as approved by the Arkansas Department of Environmental Quality (ADEQ). In case any statement or representation in the aforementioned documents is found to be incorrect, this approval may be revoked.
2. There should be no deviation from the approved plans and specifications unless the revisions have been submitted for review and written approval is received.
3. Within thirty (30) days of completion of construction, a Professional Engineer (PE) registered in Arkansas shall submit written certification to the Department (Permits Branch of the Water Division) that the facility has been constructed or modified in accordance with the approved plans and specifications.
4. This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications. Issuance of a State Construction Permit does not guarantee satisfactory operation of the treatment system. The permittee shall ensure that water quality standards are not violated. Any modifications to the treatment facility necessary to meet water quality standards are the responsibility of the permittee and would require a modification to this State Construction Permit.
5. A State Construction Permit for a modification of an existing wastewater treatment facility does not constitute an NPDES permit. Issuance of a State Construction Permit for construction or modification of a treatment system in no way guarantees or assumes that an application for an NPDES permit to operate the system will be approved or an NPDES permit will be issued.
6. A complete "Operations and Maintenance (O&M) Manual" of the wastewater treatment system shall be updated by the engineering consultant for the operator's use before the plant is in operation.
7. If the construction site will disturb in excess of one (1) acre, the permittee must comply with the terms of the Stormwater Construction General Permit Number ARR150000 prior to the start of construction. Best Management Practices (BMPs) must be implemented regardless of the size.
8. This facility is located as follows: Latitude: 33° 21' 51.25" Longitude: 92° 43' 03.65"; Approximately 1/2 mile northeast of downtown Smackover at 484 East 6th Street in Union County, Arkansas.
9. The receiving waters named: Outfall 001: Smackover Creek, thence to the Ouachita River in Segment 2D of the Ouachita River Basin. The outfall is located at the following coordinates: Outfall 001: Latitude: 33° 22' 12.6"; Longitude: 92° 42' 45.0".

10. Construction activities include the installation of the following:

- two (2) 125 gpm API separators in parallel,
- one (1) Dissolved Air Flotation (DAF) unit with a capacity of 60 gpm,
- one (1) DAF unit with a capacity of 320 gpm,
- Moving Bed Biofilm Reactor (MBBR) Unit 1 with one tank to treat wastewater from the sour water tank and the stormwater lagoon,
- MBBR Unit 2 with three tanks in series to treat the water from the first MBBR unit and the process wastewater from the existing DAF units,
- piping to route the boiler blowdown, steam condensate, and the cooling tower blowdown to enter the treatment system after the carbon adsorption unit and prior to the DO tower instead of the headworks of the treatment system, and
- associated ancillary equipment.

The permittee will remove the following equipment from service:

- the existing API separator,
- the equalization basin,
- the clarifier,
- Tank A1, and
- ponds 4, 5, 6, and 7.


The final treatment system will consist of three raw wastewater storage tanks (#508, #510, and #519), two API separators in parallel, two DAF units in parallel, an aerated effluent storage tank, MBBR Unit 2, the new 320 gpm DAF unit, carbon adsorption, and the DO tower. Water from the existing stormwater lagoon will be treated in the new 60 gpm DAF unit followed by MBBR Unit 1. Water from the sour water tank will also be treated in MBBR Unit 1. The MBBR Unit 1 effluent will then combine with the wastewater from the effluent storage tank located after the two existing DAF units and prior to MBBR Unit 2. The boiler blowdown, cooling tower blowdown, Reverse Osmosis Reject, and steam condensate will enter the treatment system after the carbon adsorption and prior to the DO tower.

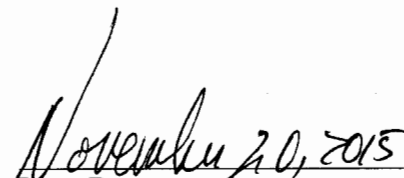
The current treatment system consists of an equalization basin, API separator, settling tank, 2 DAF units, aeration tank, stabilization ponds, carbon adsorption, drying vats, and chemical oxidation. The average flow through the treatment plant will not be changing with these modifications.

11. Failure to begin construction within one (1) year of the effective date may result in termination of this permit if a request for an extension is not submitted to the Department in a timely manner.
12. The permittee must submit notification of the start of construction within fifteen (15) days after construction has begun.

The response to comments is attached.

Effective Date: December 10, 2015


Ellen Carpenter
Chief, Water Division
Arkansas Department of Environmental Quality


November 20, 2015
Issue Date

STATEMENT OF BASIS

For State Construction Permit Number AR0000591C.

The issuing office is:

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

The applicant is:

Martin Operating Partnership L.P.
484 East 6th Street
Smackover, AR 71762

1. BASIS FOR PERMIT AND CONDITIONS

The construction permit only affects the wastewater treatment system associated with Outfall 001. As no changes to Outfalls 002 and 003 are being proposed, those outfalls have not been included in the State Construction Permit.

This permit is your authority to modify the wastewater treatment system in accordance with the permit application and plans and specifications which were received on January 27, 2015, with all additional information received by June 12, 2015. The issuance of the permit and conditions are based on the Arkansas Water and Air Pollution Control Act (Arkansas Code Annotated §8-4-101 et seq. and Arkansas Code Annotated §8-4-101 et seq.), Arkansas Pollution Control and Ecology Commission (APCEC) Regulation No. 6.202, NPDES Discharge permit AR0000591C, and 40 CFR 122.26.

Specific permit conditions and their sources are listed as follows:

Conditions 1, 2, 3, 4, 5, 6, 8, 9, and 11 are self-explanatory. Condition 7 is based on 40 CFR 122.26(b)(15). Condition 10 is based on submitted application and Plans and Specifications.

2. SOURCES

1. Application Form 1 and Plans and Specifications dated January 27, 2015, with all additional information received by June 12, 2015.
2. 2004 Edition of Recommended Standards for Wastewater Facilities (10-SS).
3. APC&EC Reg. 6, Reg. 8, and Reg. 9.
4. A.C.A. §8-4-217(b)(1)(C).
5. 40 CFR 122.26.

3. CONTACT PERSON

The ADEQ contact person for submitting written comments, requesting information, or obtaining copies of the application, permit, and the Statement of Basis is:

Loretta Reiber, P.E.
NPDES Branch, Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, Arkansas 72118-5317
(501) 682-0612