STATEMENT OF BASIS (AI No. 153533)

for draft Louisiana Pollutant Discharge Elimination System permit No. **LA0124630** to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Louisiana Agriculture Finance Authority
Winnsboro Office
Post Office Box 3481
Baton Rouge, LA 70821

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Lisa Kemp

DATE PREPARED: July 31, 2009

1. PERMIT STATUS

A. Reason For Permit Action:

Issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permits –
LPDES permit effective date: N/A
LPDES permit expiration date: N/A

C. Date Application Received: March 9, 2009

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - agriculture office

The Winnsboro Office is an existing state agency office for the Louisiana Department of Agriculture and Forestry. The agency oversees several aspects of agriculture, including pesticide regulation relating to Boll Weevil eradication and other agriculture related activities. No processing, formulating, mixing or rinsing of containers takes place on site. Discharges from the facility include exterior vehicle and equipment washwater and treated sanitary wastewater. Trucks and ATV's are washed on site after spraying fields. The washwater from vehicles may contain Malathion.

B. FEE RATE
1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC code: 9641, 0721

C. LOCATION - 150 Guice Road, Winnsboro, Franklin Parish
Latitude 32° 9' 46", Longitude 91° 41' 52"

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type:	exterior vehicle and equipment washwater
Treatment:	none
Location:	at the point of discharge from the washing activity prior to combining with other waters
Flow:	intermittent
Discharge Route:	local drainage to Turkey Creek

Outfall 002

Discharge Type:	treated sanitary wastewater
Treatment:	mechanical treatment plant
Location:	at the point of discharge from the STP prior to combining with other waters
Flow:	500 GPD
Discharge Route:	local drainage to Turkey Creek

4. RECEIVING WATERS

STREAM - local drainage to Turkey Creek

BASIN AND SEGMENT - Ouachita River Basin, Segment 080906

DESIGNATED USES -
a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

5. TMDL STATUS

Subsegment 080906, Turkey Creek, from Turkey Creek Cutoff to Turkey Creek Lake, is listed on LDEQ's Final 2006 303(d) List as impaired for organic enrichment/low dissolved oxygen (DO), chlorides (EPA-Category 5), total dissolved solids (TDS) (EPA-Category 5), and Fecal Coliform. The chlorides impairment has been attributed to natural sources and drought. The TDS impairment has been attributed to natural conditions. To date no TMDLs have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a TMDL. Until completion of TMDLs for the Ouachita River Basin, those suspected causes for impairment which are not directly attributed to the agriculture office point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit. Additionally, suspected causes of impairment which could be attributed to pollutants which were not determined to be discharged at a level which would cause, have the reasonable potential to cause or contribute to an excursion above any present state water quality standard were also eliminated. Therefore, for the purposes of this permit, organic enrichment/low DO, and fecal coliform will be addressed in a manner consistent with the Department's permitting guidance for implementing

Louisiana's surface water quality standards as follows:

Organic enrichment/low DO
A COD limit is established in accordance with washwater discharges at Outfall 001. A BOD_5 limit is established in accordance with sanitary discharges for Outfall 002.

Fecal Coliform
A fecal coliform limit is established in accordance with sanitary discharges for Outfall 002.

6. CHANGES FROM THE PREVIOUS PERMIT

There is no previous permit. However, interim limits were established in a compliance order (WE-C-08-0078) for one outfall discharging treated sanitary wastewater commingled with washwater. There are actually two separate outfalls. Therefore this permit establishes Outfall 001 for exterior vehicle and equipment washwater and Outfall 002 for treated sanitary wastewater.

7. COMPLIANCE HISTORY/COMMENTS

A. OEC –

a. Warning Letter WE-L-08-0078 was issued to this facility on January 23, 2008 as a result of a compliance inspection performed at the facility on September 21, 2007 (see Inspection, below).

b. Compliance Order WE-C-08-0078 was issued to this facility on December 24, 2008 for discharging without an LPDES permit. The facility was given interim limits and required to submit an appropriate LPDES permit application to the Office of Environmental Services. An LPDES permit application was received on March 9, 2009.

B. DMR Review/Excursions – There are no DMRs on file in EDMS as of July 29, 2009.

C. Inspection – An inspection performed on September 21, 2007 revealed the following:

a. The facility discharges sanitary sewage and vehicle washwater containing agricultural chemicals from the site without a permit.

8. EXISTING EFFLUENT LIMITS

(interim limits/Compliance Order WE-C-08-0078)

Outfall 001 – treated sanitary wastewater and washwater

Pollutant	Limitation		Frequency
	Monthly Avg	Daily Max	
	mg/L (unless stated)		
Flow	Report	Report	1/3 months
BOD_5	---	45	1/3 months
COD	200	300	1/3 months
TSS	---	45	1/3 months
Oil & Grease	---	15	1/3 months
Visible Sheen	---	No Presence	1/day
pH, s.u.	6.0 (min)	9.0 (max)	1/3 months

9. ENDANGERED SPECIES

The receiving waterbody, Subsegment 080906 of the Ouachita River Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 17, 2008 from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. Therefore, the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat.

10. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

11. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharge described in the application.

12. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

Rationale for Louisiana Agriculture Finance Authority

1. **Outfall 001** - exterior vehicle washwater (flow is intermittent)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L (unless stated)		
Flow (gpd)	Report	Report	
COD	200	300	Similar discharges*, LAG480000 (BPJ)
TSS	---	45	Similar discharges*, LAG480000 (BPJ)
Oil & Grease	---	15	Similar discharges*, LAG480000 (BPJ)
Soaps & Detergents	Inventory Record	---	Similar discharges*, LAG480000 (BPJ)
Oil & Grease, Visual	---	No Presence	Similar discharges*, LAG480000 (BPJ)
pH, s.u.	6.0 (min)	9.0 (max)	Similar discharges*, LAG480000 (BPJ)

Treatment: none

Monitoring Frequency: daily for Oil and Grease, Visual and quarterly for flow, TSS, COD, oil and grease, and pH at the point of discharge from the washing activity prior to mixing with other waters. Soaps and Detergents: document in a quarterly inventory record the quantity and type of any Soap and/or Detergent used during each calendar month.

Limits Justification: Limits and monitoring frequencies are based on current guidance for similar discharges from other facilities and the Light Commercial General Permit, LAG480000 effective August 1, 2001.

2. **Outfall 002** – treated sanitary wastewater (estimated flow is 500 GPD)

Pollutant	Limitation		Reference
	Monthly Avg	Daily Max	
	mg/L (unless stated)		
Flow (gpd)	Report	Report	
BOD_5	30	45	Similar discharges* (BPJ), LAG530000
TSS	30	45	Similar discharges* (BPJ), LAG530000
Fecal Coliform colonies/100ml	200	400	Similar discharges* (BPJ), LAG530000
pH, s.u.	6.0 (min)	9.0 (max)	Similar discharges* (BPJ), LAG530000

Treatment: mechanical treatment plant

Monitoring Frequency: Semiannually for all parameters at the point of discharge from the STP prior to mixing with other waters.

Limits Justification: Limits and monitoring frequencies are based on current guidance for similar discharges from other industrial facilities and the Class I Sanitary Discharge General Permit, LAG530000 effective November 1, 2007.

* Existing permits for similar outfalls

BPJ	Best Professional Judgement
su	Standard Units

NOTE
For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

As per LAC 33:IX.2511.B.14.a-k, storm water discharges from facilities classified as SIC codes 9641 and 0721 are not considered to be associated with industrial activities. Therefore, an SWP3 is not included in the permit.