

NARRATIVE DESCRIPTION

FOR

GREAT LAKES CHEMICAL CORPORATION

ENGINEER: JOE WILLIFORD      PERMIT NO. 3204-W      DATE: MAY 6, 1985

Applicant: Great Lakes Chemical Corporation  
Post Office Box 1958  
El Dorado, Arkansas 71730

Great Lakes Chemical Corporation proposes to install a collection system for process wastewater and to treat the water for underground injection. Treatment of the water will consist of flocculation, sedimentation and filtration prior to injection in process disposal wells PDW3 and/or PDW4.

The system is designed for an average flow of 300 gallons per minute. If there is a failure in the system the process operations are to cease until the resumption of injection. Two hours surge capacity upstream of the treatment plant and two hours surge capacity upstream of the well is provided for minor upsets and mechanical problems.



70-0012

Permit No. 3204-W  
Corresponds to  
NPDES Permit No. NR

ARKANSAS DEPARTMENT OF POLLUTION CONTROL AND ECOLOGY

WATER POLLUTION CONTROL PERMIT

In compliance with the provisions of the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended, Sec. 82-1901 et seq., Ark. Stats.),

Great Lakes Chemical Corporation	(Process wastewater collection
Post Office Box 1958	and treatment for underground
El Dorado, Arkansas 71730	injection)

is authorized to construct and operate a facility in accordance with the plans and specifications as approved by the Department of Pollution Control and Ecology, to be located at:

Section 1; Range 16 West, Township 18 South in Union County on Highway 15 South, two miles southwest of El Dorado, Arkansas.

Any discharge shall be to the receiving stream named:

No discharge to surface waters.

This permit is issued in reliance upon the statements and representations made in the application and the plans and specifications and the Department has no responsibility for the adequacy or proper functioning of the disposal system. Approval of the plans and specifications by the Department does not constitute assurance that the disposal system will achieve the effluent limitations required by the permit.

This permit shall become effective on June 31, 1985.

This permit and the authorization to discharge shall expire at midnight, June 31, 1990

Signed this 31<sup>st</sup> day of May, 1985

*Phyllis Garnett*  
Phyllis Garnett, Ph.D.  
Director

PART I  
 PERMIT REQUIREMENTS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS - Outfalls

During the period beginning on effective date and lasting through date of expiration, the permittee is authorized to discharge from outfall(s) serial number(s) no discharge to surface waters.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>			
	Mass(lbs/day)		Other Units (Specify)	
	Daily Avg.	Daily Max.	Daily Avg.	Daily Max.
Flow-(MGD)*	N/A	N/A	N/A	N/A

<u>Effluent Characteristic</u>	<u>Monitoring Requirements</u>	
	Measurement Frequency	Sample Type
Flow-(MGD)	**	Estimate

\*See Part III, Other Conditions.

\*\*Measurement to begin upon commencement of any discharge to the waters of the state.

The ph shall be monitored continuously.

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

Construction of the disposal system shall commence within six months of the effective date of this permit and be completed with all reasonable diligence. In the event construction has not commenced within the time specified, this permit shall automatically terminate unless written approval for a extension has been obtained from the Department. The Department shall be notified in writing when the disposal system has been completed in order that it may be inspected.

PART III

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PART III  
OTHER CONDITIONS

1. This permit is issued for a collection and treatment system for process wastewaters prior to underground injection into disposal wells PDW3 and PDW4. There shall be no discharge of wastewater to surface waters of the State.
2. If a failure in the system should occur, the process operations shall cease until the failure has been corrected. Any discharge to the surface shall be reported in accordance with Part II, Section D-6 of this permit.
3. The monitoring and reporting requirements of Part II, Section C-5 of this permit do not apply.
4. Any sludge generated from the treatment process shall be stored and/or disposed of in a manner approved by this Department.

ARKANSAS WASTEWATER PERMIT SUMMARY SHEET

PERMIT NO. 3204-W-91 DATE 85 05 31 EXPIRES YR MO DAY  
YR MO DAY  
NPDES NO. AR n/a (If Temporary)

CSN NO. 700012 SIC NO. 2819

STATUS (Check One)  New  Revised

PERMITTEE

CONSULTING ENGINEER(S)

NAME Great Lakes Chemical Corp  
C/O Larry Moree  
ADDRESS Box 1958

Stoff Engineers

CITY/STATE El Dorado Ar ZIP CODE 71730

TYPE TREATMENT & UNIT SIZES floculation, sedimentation and filtration prior to underground injection in process disposal wells PDW 3 + PDW 4

SIZE AND TYPE OF FACILITY SERVED Bromine + halogenated chemical manufacturing facility

CHARACTER OF WASTE (Check One)  S - SANITARY  I - INDUSTRIAL  A - AGRICULTURAL  
 B - BRINE  W - WATER PLANT BACKWASH  O - OTHER

LOADING RATES/DESIGN FLOW 300 gpm

RECEIVING STREAM injection in process disposal well

OTHER INFORMATION (Limitations) no discharge

ESTIMATED CONSTRUCTION COST \$ \_\_\_\_\_ .00

TREATMENT FACILITY 1

LOCATION SECTION 1 BASIN Deochita

RANGE 16 West SEGMENT 2D

TOWNSHIP 18 S

USE CLASS n/a AA A  
(Check One)

COUNTY Union

STREAM CLASS n/a WQ EL

CITY Deer Park

DISTRICT \_\_\_\_\_

PROCESSED BY Joe Williford

579  
11/10/10