

NPDES Permit No. IL0028517

Illinois Environmental Protection Agency

Division of Water Pollution Control

1021 North Grand Avenue East

Post Office Box 19276

Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

Reissued (NPDES) Permit

Expiration Date:

Issue Date:

Effective Date:

Name and Address of Permittee:

Facility Name and Address:

City of DuQuoin  
302 East Poplar St., P.O. Box 466  
DuQuoin, Illinois 62832

City of DuQuoin-STP  
896 East Cole Street  
DuQuoin, Illinois 62832  
(Perry County)

Receiving Waters: Phil's Creek

In compliance with the provisions of the Illinois Environmental Protection Act, Title 35 of the Ill. Adm. Code, Subtitle C, Chapter I, and the Clean Water Act (CWA), the above-named Permittee is hereby authorized to discharge at the above location to the above-named receiving stream in accordance with the Effluent Limitations, Monitoring, and Reporting requirements; Special Conditions and Attachment H Standard Conditions attached herein.

Permittee is not authorized to discharge after the above expiration date. In order to receive authorization to discharge beyond the expiration date, the Permittee shall submit the proper application as required by the Illinois Environmental Protection Agency (IEPA) not later than 180 days prior to the expiration date.

Brant D. Fleming, P.E.  
Manager, Municipal Unit  
Division of Water Pollution Control

ALD:JDS:20113001.bdf

## NPDES Permit No. IL0028517

Effluent Limitations, Monitoring, and Reporting

## FINAL

Discharge Number(s) and Name(s): STP Outfall 001

Load limits computed based on a design average flow (DAF) of 2.4 MGD (design maximum flow (DMF) of 6 MGD).

From the effective date of this Permit until the expiration date, the effluent of the above discharge(s) shall be monitored and limited at all times as follows:

<u>Parameter</u>	<u>LOAD LIMITS lbs/day</u>			<u>CONCENTRATION LIMITS mg/L</u>			<u>Sample Frequency</u>	<u>Sample Type</u>	
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Daily Maximum</u>			
Flow (MGD)							Continuous		
CBOD <sub>5</sub> <sup>2,3</sup>	200 (500)		400 (1,001)	10		20	3 Days/Week	Composite	
Suspended Solids <sup>3</sup>	240 (600)		480 (1,201)	12		24	3 Days/Week	Composite	
pH	Shall be in the range of 6 to 9 Standard Units							3 Days/Week	Grab
Fecal Coliform <sup>4</sup>	Daily Maximum shall not exceed 400 per 100 mL (May through October)							3 Days/Week	Grab
Chlorine Residual						0.038	***	Grab	
Ammonia Nitrogen: (as N)									
March	52 (130)	128 (320)	300 (751)	2.6	6.4	15	3 Days/Week	Composite	
April-May/Sep.-Oct.	30 (75)	128 (320)	300 (751)	1.5	6.4	15	3 Days/Week	Composite	
June-August	30 (75)	78 (195)	230 (575)	1.5	3.9	11.5	3 Days/Week	Composite	
November-February	80 (200)		202 (505)	4.0		10.1	3 Days/Week	Composite	
Total Phosphorus (as P)	20 (50)			1.0			3 Days/Week	Composite	
Total Nitrogen (as N)	Monitor Only						3 Days/Week	Composite	
Zinc	0.73 (1.8)		2.8 (7.1)	0.0367		0.1416	3 Days/Week	Composite	
				Monthly Average not less than	Weekly Average not less than	Daily Minimum			
Dissolved Oxygen									
March-July				NA	6.0	5.0	3 Days/Week	Grab	
August-February				5.5	4.0	3.5	3 Days/Week	Grab	

<sup>1</sup>Load limits based on design maximum flow shall apply only when flow exceeds design average flow.<sup>2</sup>Carbonaceous BOD<sub>5</sub> (CBOD<sub>5</sub>) testing shall be in accordance with 40 CFR 136.<sup>3</sup>BOD<sub>5</sub> and Suspended Solids (85% removal required) For Discharge No. 001: In accordance with 40 CFR 133, the 30-day average percent removal shall not be less than 85 percent. The percent removal need not be reported to the IEPA on DMRs but influent and effluent data must be available, as required elsewhere in this Permit, for IEPA inspection and review. For measuring compliance with this requirement, 5 mg/L shall be added to the effluent CBOD<sub>5</sub> concentration to determine the effluent BOD<sub>5</sub> concentration.

Percent removal is a percentage expression of the removal efficiency across a treatment plant for a given pollutant parameter, as determined from the 30-day average values of the raw wastewater influent concentrations to the facility and the 30-day average values of the effluent pollutant concentrations for a given time period.

<sup>4</sup> A compliance schedule to provide the facility additional time to comply with the fecal coliform limits has been included in Special Condition 17 of this permit.

\*\*\*See Special Condition 10.

**DRAFT**

FEB 23 2021

**Public Noticed**

NPDES Permit No. IL0028517

Effluent Limitations, Monitoring, and Reporting

Flow shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.  
Fecal Coliform shall be monitored May through October and reported on the DMR as a daily maximum value.  
pH shall be reported on the DMR as minimum and maximum value.  
Chlorine Residual shall be reported on the DMR as daily maximum value.  
Dissolved oxygen shall be reported on the DMR as a minimum value.  
Total Nitrogen shall be reported on the DMR as a daily maximum value. Total Nitrogen is the sum total of Total Kjeldahl Nitrogen, Nitrate, and Nitrite.  
Total Phosphorus shall be reported on the DMR as a daily maximum and monthly average value.

NPDES Permit No. IL0028517

Effluent Limitations, Monitoring, and Reporting

The influent to the plant shall be monitored as follows:

<u>Parameter</u>	<u>Sample Frequency</u>	<u>Sample Type</u>
Flow (MGD)	Continuous	
BOD <sub>5</sub>	3 Days/Week	Composite
Suspended Solids	3 Days/Week	Composite

Influent samples shall be taken at a point representative of the influent.

Flow (MGD) shall be reported on the Discharge Monitoring Report (DMR) as monthly average and daily maximum.

BOD<sub>5</sub> and Suspended Solids shall be reported on the DMR as a monthly average concentration.