

KANSAS WATER POLLUTION CONTROL PERMIT AND
AUTHORIZATION TO DISCHARGE UNDER
THE NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM

Pursuant to the Provisions of Kansas Statutes Annotated 65-164 and 65-165, the Federal Water Pollution Control Act as amended, (33 U.S.C. 1251 et seq; the "Act"),

Owner: Belleville, City of
Owner's Address: 1819 L Street
P.O. Box 280
Belleville, Kansas 66935
Facility Name: Belleville Municipal Wastewater Treatment Facility
Facility Location: NE $\frac{1}{4}$, SE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 2, Township 3S, Range 3W
Republic County, Kansas
Receiving Stream & Basin: Salt Creek via Unnamed Tributary
Lower Republican River Basin

is authorized to discharge from the wastewater treatment facility described herein, in accordance with effluent limitations and monitoring requirements as set forth herein.

This permit is effective April 1, 2008, supersedes the previously issued Kansas Water Pollution Control permit M-LR03-0001, and expires July 31, 2010.

FACILITY DESCRIPTION:

1. Headworks Building
2. Common Wall Extended Aeration
3. Aerobic Sludge Digestion
4. U.V. Disinfection Facility
5. Irrigation with Treated Effluent
6. Design Flow = 0.40 MGD
7. Design P.E. = 4,000



Secretary, Kansas Department of Health and Environment

March 21, 2008
Date

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in this permit. The effluent limitations shall become effective on the dates specified herein. Such discharges shall be controlled, limited, and monitored by the permittee as specified. There shall be no discharge of floating solids or visible foam in other than trace amounts.

Monitoring reports shall be submitted on or before the 28th day of the following month. In the event no discharge occurs, written notification is still required.

<u>Effective Date</u>	<u>EFFLUENT LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	<u>Final</u> <u>Limitations</u> <u>Upon</u> <u>Issuance</u>		<u>Measurement</u> <u>Frequency</u>	<u>Sample</u> <u>Type</u>
<u>001AG - Influent to Treatment Plant</u>				
Biochemical Oxygen Demand (5-Day)- mg/l	Monitor		Once Monthly	grab
Total Suspended Solids - mg/l	Monitor		Once Monthly	grab
<u>001A1 - Effluent at effluent sampling point</u>				
Biochemical Oxygen Demand (5-Day)*			Once Monthly	grab
September through July				
Weekly Average-mg/l	45			
Monthly Average-mg/l	30			
August				
Weekly Average-mg/l	40			
Monthly Average-mg/l	25			
Total Suspended Solids*			Once Monthly	grab
Weekly Average-mg/l	45			
Monthly Average-mg/l	30			
pH - Standard Units	6.0-9.0		Once Monthly	grab
Ammonia (as N)-mg/l			Once Monthly	grab
January				
Daily Maximum	9.7			
Monthly Average	9.7			
February				
Daily Maximum	9.7			
Monthly Average	9.7			
March				
Daily Maximum	9.7			
Monthly Average	6.1			
April				
Daily Maximum	9.7			
Monthly Average	6.1			
May				
Daily Maximum	9.7			
Monthly Average	4.8			

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

June			
Daily Maximum	9.7		
Monthly Average	3.5		
July			
Daily Maximum	9.7		
Monthly Average	3.2		
August			
Daily Maximum	9.7		
Monthly Average	2.9		
September			
Daily Maximum	9.7		
Monthly Average	4.8		
October			
Daily Maximum	9.7		
Monthly Average	6.1		
November			
Daily Maximum	9.7		
Monthly Average	9.7		
December			
Daily Maximum	9.7		
Monthly Average	9.7		
Fecal Coliform (colonies /100 ml)**		Once Monthly	grab
April 1 through October 31			
Monthly Geometric Average	200		
November 1 through March 31			
Monthly Geometric Average	2000		
E. coli (colonies /100 ml)**		Once Monthly	grab
April 1 through October 31			
Monthly Geometric Average	160		
November 1 through March 31			
Monthly Geometric Average	2358		
Dissolved Oxygen-mg/l (minimum)		Once Monthly	grab
Monthly Average	6.0		
Total Phosphorus as P - mg/l	Monitor	Once Monthly	grab
Nitrate (NO ₃) as N-mg/l	Monitor	Once Monthly	grab
Nitrite (NO ₂) as N-mg/l	Monitor	Once Monthly	grab
Total Kjeldahl Nitrogen (as N)-mg/l	Monitor	Once Monthly	grab
Total Nitrogen (as N)-mg/l (TKN + NO ₃ + NO ₂)	Calculate	Once Monthly	Calculate
Flow - MGD	Monitor	Weekdays	

* Minimum removal of 85% required for Biochemical Oxygen Demand (5-Day) and Total Suspended Solids. If inhibited Biochemical Oxygen Demand (5-Day) test is used, limits are 5 mg/l less than shown.

** On July 1, 2008, permittee shall switch from the fecal coliform test to the E. coli test.

B. STANDARD CONDITIONS

In addition to the specified conditions stated herein, the permittee shall comply with the attached Standard Conditions dated August 1, 1996.

C. SUPPLEMENTAL CONDITIONS

Sludge disposal shall be in accordance with the 40 CFR Part 503 Sludge Regulations.

D. SCHEDULE OF COMPLIANCE

None

E. SUPPLEMENTAL CONDITIONS FOR GOLF COURSE IRRIGATION

The City of Belleville occasionally diverts the treated effluent to an irrigation pond in the city Golf Course. The treated effluent is used to keep the pond full and to irrigate the golf course.

The following management and monitoring requirements apply for treated wastewater from the Belleville Wastewater Treatment Facility utilized at the city golf course:

1. Effluent diverted to the golf course shall be disinfected to meet the following limits:

Fecal Coliform (colonies/100 ml**)	
Weekly Geometric Average	40
Monthly Geometric Average	20
E. coli (colonies/100 ml)**	
Weekly Geometric Average	40
Monthly Geometric Average	20

2. A grab sample shall be taken and tested for fecal coliform/E. coli within the first 24 hours of diverting the effluent into the pond and weekly thereafter. Monitoring results shall be submitted with the monthly monitoring report.

3. Management practices required for reuse of treated wastewater for irrigation at the golf course:
 - a. Irrigation using treated wastewater shall occur only at times when public access to the irrigated area is restricted.
 - b. Irrigation of crops produced for direct human consumption shall be prohibited.
 - c. Irrigation shall be limited in such a manner as to avoid runoff of effluent to adjacent landowners.
 - d. Irrigation of effluent shall be conducted in such a manner as to prevent ponding of wastewater on the ground surface.
 - e. Irrigation spray shall not be allowed to fall or drift on areas used for picnicking, public drinking fountains, potable water hose bibbs, private residences or any other areas where food or drink is routinely prepared or served
 - f. Signs bearing the following notice must be posted around any treated wastewater holding pond: RECLAIMED WASTEWATER DO NOT DRINK OR SWIM.
 - g. Signs bearing the following notice must be posted at any hose bibb which can discharge treated wastewater: RECLAIMED WASTEWATER DO NOT DRINK.
 - h. Cross-connections between treated wastewater lines and potable water supply lines shall be prohibited.
 - i. All monitoring of the treated wastewater shall be conducted using EPA approved methods and KDHE certified laboratories.

**STANDARD CONDITIONS FOR
KANSAS WATER POLLUTION CONTROL AND
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT**

1. Representative Sampling:

- A. Samples and measurements taken as required herein shall be representative of the nature and volume of the monitored discharge. All samples shall be taken at the location designated in this permit, and unless specified, at the outfall(s) before the effluent joins or is diluted by any other water or substance.
- B. Monitoring results shall be recorded and reported on forms acceptable to the Division and postmarked no later than the 28th day of the month following the completed reporting period. Signed and certified copies of these, prepared in accordance with KAR 28-16-59 and all other reports required herein, shall be submitted to:

Kansas Department of Health & Environment
Bureau of Water-Technical Services Section
1000 SW Jackson Street, Suite 420
Topeka, KS 66612-1367

2. Schedule of Compliance: No later than 14 calendar days following each date identified in the "Schedule of Compliance," the permittee shall submit to the above address, either a report of progress or, in the case of specific action being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirements, or, if there are no more scheduled requirements, when such noncompliance will be corrected.

3. Definitions:

- A. The "daily average" discharge means either the total discharge by weight during a calendar month divided by the number of days in the month that the facility was operating or the average concentration for the month. The daily average discharge shall be determined by the summation of all measured daily discharges by weight divided by the number of days during the calendar month when the measurements were made, or by the summation of all concentrations determined during the calendar month divided by the number of samples collected and analyzed.
- B. The "daily maximum" discharge means the total discharge by weight or average concentration during a 24 hour period.
- C. The "monthly average", other than for fecal coliform bacteria, is the arithmetic mean of the value of effluent samples collected in a period of 30 consecutive days. The monthly average for fecal coliform bacteria is the geometric mean of the value of the effluent samples collected in a period of 30 consecutive days.
- D. The "weekly average", other than for fecal coliform bacteria, is the arithmetic mean of the value of effluent samples collected in a period of 7 consecutive days. The weekly average for fecal coliform bacteria is the geometric mean of the value of effluent samples collected in a period of 7 consecutive days.
- E. A "grab sample" is an individual sample collected in less than 15 minutes.

- F. A "composite sample" is a combination of individual samples in which the volume of each individual sample is proportional to the discharge flow, the sample frequency is proportioned to the flow rate over the sample period, or the sample frequency is proportional to time.
 - G. The "act" means the Clean Water Act, 30 USC Section 1251 et seq.
 - H. The terms "Director", "Division", and "Department" refer to the Director, Division of Environment, Kansas Department of Health and Environment, respectively.
 - I. "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 production.
 - J. "Bypass" means any diversion of waste streams from any portion of a treatment facility or collection system.
- 4. Test Procedures: All analysis required by this permit shall conform to the requirements of 33 USC Section 1314(h), and shall be conducted in a laboratory certified by this Department. For each measurement or sample, the permittee shall record the exact place, date, and time of sampling; the date of the analyses, the analytical techniques or methods used, and the individual(s) who performed the sampling and analysis and, the results. If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved procedures, the results shall be included in the Discharge Monitoring Report form required in 1.B. above. Such increased frequencies shall also be indicated.
 - 5. Records Retention: All records and information resulting from the monitoring activities required by this permit, including all records of analyses and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation, shall be retained for a minimum of 3 years, or longer if requested by the Division.
 - 6. Change in Discharge: All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant not authorized by this permit or of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of this permit. Any anticipated facility expansions, productions or flow increases, or process modifications which result in a new, different, or increased discharge of pollutants shall be reported to the Division at least one hundred eighty (180) days before such change.
 - 7. Noncompliance Notifications: If for any reason, the permittee does not comply with, or will be unable to comply with any daily maximum or weekly average effluent limitations specified in this permit, the permittee shall provide the Department with the following information in writing within five days of becoming aware of such condition:
 - A. A description of the discharge and cause of noncompliance, and
 - B. the period of noncompliance including exact dates and times or if not corrected, the anticipated time the noncompliance is expected to continue and steps taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

The above information shall be provided with the submittal of the regular Discharge Monitoring Report form for violations of daily average or monthly average effluent limitations.

8. **Facilities Operation:** The permittee shall at all times maintain in good working order and efficiently and effectively operate all treatment, collection, control systems or facilities, to achieve compliance with the terms of this permit. Such proper operation and maintenance procedures shall also include adequate laboratory controls and appropriate quality assurance procedures. Maintenance of treatment facilities which results in degradation of effluent quality, even though not causing violations of effluent limitations shall be scheduled during noncritical water quality periods and shall be carried out in a manner approved in advance by the Division. The permittee shall take all necessary steps to minimize or prevent any adverse impact to waters of the State resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge. When necessary to maintain compliance with the permit conditions, the permittee shall halt or reduce those activities under its control which generate wastewater routed to this facility.
9. **Immediate Reporting Required:** Any diversion from, or bypass of facilities necessary to maintain compliance with the permit is prohibited, except: where no feasible alternatives to the bypass exist and 1) where necessary to prevent loss of human life, personal injury or severe property damage; or 2) where excessive stormwater inflow or infiltration would damage any facilities necessary to comply with this permit or 3) where the permittee notifies the Director seven days in advance of an anticipated bypass. The Director or Director's designee may approve a bypass, after considering its adverse effects, if any of the three conditions listed above are met. The permittee shall immediately notify the Division by telephone [(913) 296-5517 or the appropriate KDHE District Office] of each bypass and shall confirm the telephone notification with a letter explaining what caused this spill or bypass and what actions have been taken to prevent recurrence. Written notification shall be provided to the Director within five days of the permittee becoming aware of the bypass. The Director or Director's designee may waive the written report on a case-by-case basis.
10. **Removed Substances:** Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner acceptable to the Division.
11. **Power Failures:** The permittee shall provide an alternative power source sufficient to operate the wastewater control facilities or otherwise control pollution and all discharges upon the loss of the primary source of power to the wastewater control facilities.
12. **Right of Entry:** The permittee shall allow authorized representatives of the Division of Environment or the Environmental Protection Agency upon the presentation of credentials, to enter upon the permittee's premises where an effluent source is located, or in which are located any records required by this permit, and at reasonable times, to have access to and copy any records required by this permit, to inspect any monitoring equipment or monitoring method required in this permit, and to sample any influents to, discharges from or materials in the wastewater facilities.
13. **Transfer of Ownership:** The permittee shall notify the succeeding owner or controlling person of the existence of this permit by certified letter, a copy of which shall be forwarded to the Division. The succeeding owner shall secure a new permit. The permit is not transferable to any person except after notice and approval by 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.
14. **Availability of Records:** Except for data determined to be confidential under 33 USC Section 1318, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement on any such report or tampering with equipment to falsify data may result in the imposition of criminal penalties as provided for in 33 USC Section 1319 and KSA 65-170c.

15. Permit Modifications and Terminations: As provided by KAR 28-16-62, after notice and opportunity for a hearing, this permit may be modified, suspended or revoked or terminated in whole or in part during its term for cause as provided, but not limited to those set forth in KAR 28-16-62 and KAR 28-16-28b through f. The permittee shall furnish to the Director, within a reasonable amount of 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 upon request, copies of all records required to be kept by this permit.
16. Toxic Pollutants: Notwithstanding paragraph 15 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified at such effluent standards) is established under 33 USC Section 1317(a) for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition. Nothing in this permit relieves the permittee from complying with federal toxic effluent standards as promulgated pursuant to 33 USC Section 1317.
17. Civil and Criminal Liability: Except as authorized in paragraph 9 above, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance as provided for in KSA 65-170d, KSA 65-167, and 33 USC Section 1319.
18. 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 to under 33 USC Section 1321 or KSA 65-164 et seq. The municipal permittee shall promptly notify the Division by telephone upon discovering crude oil or any petroleum derivative in its sewer system or wastewater treatment facilities.
19. Industrial Users: The municipal permittee shall require any industrial user of the treatment works to comply with 33 USC Section 1317, 1318 and any industrial user of storm sewers to comply with 33 USC Section 1308.
20. Property Rights: The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights nor any infringements of or violation of federal, state or local laws or regulations.
21. Operator Certification: The permittee shall ensure the wastewater facilities are under the supervision of an operator certified by the Department. If the permittee does not have a certified operator or loses its certified operator, appropriate steps shall be taken to obtain a certified operator as required by KAR 28-16-30 et seq.
22. Severability: The provisions of this permit are severable. If any provision of this permit or any circumstance is held invalid, the application of such provision to other circumstances and the remainder of the permit shall not be affected thereby.
23. Removal from Service: The permittee shall inform the Division at least three months before a pumping station, treatment unit, or any other part of the treatment facility permitted by this permit is to be removed from service and shall make arrangements acceptable to the Division to decommission the facility or part of the facility being removed from service such that the public health and waters of the state are protected.
24. Duty to Reapply: A permit holder wishing to continue any activity regulated by this permit after the expiration date, must apply for a new permit at least 180 days prior to expiration of the permit.