

Permit No: 25-61-0-01 HP  
Sender's Initials: \_\_\_\_\_

# IOWA DEPARTMENT OF NATURAL RESOURCES National Pollutant Discharge Elimination System (NPDES) Permit

**OWNER NAME & ADDRESS**

City of Perry  
City Hall  
PO Box 545  
Perry, IA 50220 - 0545

**FACILITY NAME AND ADDRESS**

Perry, City of STP  
1419 Ivy Place  
Perry, IA 50220 - 0000

Section 16, T 81N, R 28W  
DALLAS County

**CERTIFICATE**  
7005116000135846674  
Renewal Requested

**IOWA NPDES PERMIT NUMBER:** 2561001

**DATE OF ISSUANCE:** 10/5/2005

**DATE OF EXPIRATION:** 10/4/2010

**YOU ARE REQUIRED TO FILE FOR RENEWAL OF THIS PERMIT BY:** 4/7/2010

**EPA NUMBER:** IA0032379

This permit is issued pursuant to the authority of section 402(b) of the Clean Water Act (33 U.S.C 1342(b)), Iowa Code section 455B.174, and rule 567--64.3, Iowa Administrative Code. You are authorized to operate the disposal system and to discharge the pollutants specified in this permit in accordance with the effluent limitations, monitoring requirements and other terms set forth in this permit.

You may appeal any condition of this permit by filing a written notice of appeal and request for administrative hearing with the director of this department within 30 days of your receipt of this permit.

Any existing, unexpired Iowa operation permit or Iowa NPDES permit previously issued by the department for the facility identified above is revoked by the issuance of this permit. This provision does not apply to any authorization to discharge under the terms and conditions of a general permit issued by the department or to any permit issued exclusively for the discharge of stormwater.

FOR THE DEPARTMENT OF NATURAL RESOURCES

By Charles Furrey

CHARLES FURREY  
NPDES Section  
ENVIRONMENTAL SERVICES DIVISION

**Facility Name:** Perry, City of STP

**Permit Number:** 2561001

**Outfall  
Number**

**Outfall Description**

001 Discharge from Activated Sludge Wastewater Treatment Plant

**Receiving Stream:** North Racoon River

**Route of Flow:**

Class B(WW) waters are significant resource warm waters in which temperature, flow, and other habitat characteristics are suitable for the maintenance of a wide variety of reproducing populations of warm water fish and associated aquatic communities, including sensitive species.

Class A1 waters are primary contact recreational use waters in which recreational or other uses may result in prolonged and direct contact with the water, involving considerable risks of ingesting water in quantities sufficient to pose a health hazard. Such activities would include, but not be limited to, swimming, diving, water skiing, and water contact recreational canoeing.

003 Lift Station Overflow. Located at 8th Street and Dewey

**Receiving Stream:** Beaver Creek

**Route of Flow:** Un-named tributary to Beaver Creek

Class B(LR) waters are limited resource warm waters in which flow or other physical characteristics limit the ability of the water body to maintain a balanced warm water community. Such waters support only populations composed of species able to survive and reproduce in a wide range of physical and chemical conditions, and are not generally harvested for human consumption.

Facility Name: Perry, City of STP

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**Effluent Limitations**

Outfall No.: 001 Discharge from Activated Sludge Wastewater Treatment Plant

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

Wastewater Parameter	Season	Type of Limit	% Removal	EFFLUENT LIMITATIONS							
				Concentration				Mass			
				7 Day Average/Min	30 Day Average	Daily Maximum	Units	7 Day Average	30 Day Average	Daily Maximum	Units
CBOD5	YEARLY	FINAL	85	40.0	25.0		MG/L	967.0	605.0		LBS/DAY
TOTAL SUSPENDED SOLIDS	YEARLY	FINAL	85	45.0	30.0		MG/L	1,088.0	726.0		LBS/DAY
AMMONIA NITROGEN (N)	JAN	FINAL			14.6	16.6	MG/L		360.0	402.0	LBS/DAY
AMMONIA NITROGEN (N)	FEB	FINAL			15.8	15.8	MG/L		384.0	384.0	LBS/DAY
AMMONIA NITROGEN (N)	MAR	FINAL			7.4	15.9	MG/L		183.0	384.0	LBS/DAY
AMMONIA NITROGEN (N)	APR	FINAL			5.3	16.6	MG/L		131.0	402.0	LBS/DAY
AMMONIA NITROGEN (N)	MAY	FINAL			4.5	16.1	MG/L		112.0	390.0	LBS/DAY
AMMONIA NITROGEN (N)	JUN	FINAL			3.0	15.3	MG/L		75.0	371.0	LBS/DAY
AMMONIA NITROGEN (N)	JUL	FINAL			3.3	18.6	MG/L		81.0	451.0	LBS/DAY
AMMONIA NITROGEN (N)	AUG	FINAL			3.0	17.1	MG/L		74.0	415.0	LBS/DAY
AMMONIA NITROGEN (N)	SEP	FINAL			3.5	17.6	MG/L		85.0	425.0	LBS/DAY
AMMONIA NITROGEN (N)	OCT	FINAL			7.5	16.7	MG/L		184.0	406.0	LBS/DAY
AMMONIA NITROGEN (N)	NOV	FINAL			9.3	15.6	MG/L		229.0	377.0	LBS/DAY
AMMONIA NITROGEN (N)	DEC	FINAL			10.9	17.0	MG/L		270.0	412.0	LBS/DAY
PH (MINIMUM - MAXIMUM)	YEARLY	FINAL		6.0		9.0	STD UNITS				
COLIFORM, FECAL	SUMMER	FINAL			200.0	370.0	#/100 ML				
ACUTE TOXICITY, CERIODAPHNIA	YEARLY	FINAL							1.0		NO TOXICITY
ACUTE TOXICITY, PIMEPHALES	YEARLY	FINAL							1.0		NO TOXICITY

Note: If seasonal limits apply, summer is from March 15 through November 15, and winter is from November 16 through March 14.

Facility Name: Perry, City of STP

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### Monitoring and Reporting Requirements

- (a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.
- (b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized.
- (c) Chapter 63 of the Iowa Administrative Code provides you with further explanation of your monitoring requirements.
- (d) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. Also, flow data shall be reported in million gallons per day (MGD).
- (e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the department by the fifteenth day following the close of the reporting period. Your reporting period is on a monthly basis, ending on the last day of each reporting period.

Outfall Number	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	FLOW	7/WEEK OR DAILY	CALCULATED	TOTAL RAW WASTE
001	CBOD5	2 TIMES PER WEEK	24 HOUR COMPOSITE	TOTAL RAW WASTE
001	TOTAL SUSPENDED SOLIDS	2 TIMES PER WEEK	24 HOUR COMPOSITE	TOTAL RAW WASTE
001	PH (MINIMUM - MAXIMUM)	2 TIMES PER WEEK	GRAB	TOTAL RAW WASTE
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	TOTAL RAW WASTE
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	MECHANICAL PLANT EFFLUENT
001	CBOD5	2 TIMES PER WEEK	24 HOUR COMPOSITE	MECHANICAL PLANT EFFLUENT
001	TOTAL SUSPENDED SOLIDS	2 TIMES PER WEEK	24 HOUR COMPOSITE	MECHANICAL PLANT EFFLUENT
001	AMMONIA NITROGEN (N)	2 TIMES PER WEEK	24 HOUR COMPOSITE	MECHANICAL PLANT EFFLUENT
001	PH (MINIMUM - MAXIMUM)	5 TIMES PER WEEK	GRAB	MECHANICAL PLANT EFFLUENT
001	COLIFORM, FECAL	1 EVERY 3 MONTHS	GRAB	MECHANICAL PLANT EFFLUENT
001	SETTLABLE SOLIDS	5 TIMES PER WEEK	GRAB	MECHANICAL PLANT EFFLUENT
001	TEMPERATURE	2 TIMES PER WEEK	GRAB	MECHANICAL PLANT EFFLUENT
001	ACUTE TOXICITY, CERIODAPHNIA	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	MECHANICAL PLANT EFFLUENT
001	ACUTE TOXICITY, PIMEPHALES	1 EVERY 12 MONTHS	24 HOUR COMPOSITE	MECHANICAL PLANT EFFLUENT
001	FLOW	7/WEEK OR DAILY	24 HOUR TOTAL	INFLUENT TO STORM WATER RETENTION BASIN

Facility Name: Perry, City of STP

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- (b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized.
- (c) Chapter 63 of the Iowa Administrative Code provides you with further explanation of your monitoring requirements.
- (d) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. Also, flow data shall be reported in million gallons per day (MGD).
- (e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the department by the fifteenth day following the close of the reporting period. Your reporting period is on a monthly basis, ending on the last day of each reporting period.

Outfall Number	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	SANITARY LANDFILL LEACHATE	1 EVERY 12 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AEROBIC DIGESTER 3 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AEROBIC DIGESTER 2 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AEROBIC DIGESTER 1 CONTENTS
001	SOLIDS, MIXED LIQUOR SUSPENDED	5 TIMES PER WEEK	GRAB	AERATION BASIN 4 CONTENTS
001	TEMPERATURE	5 TIMES PER WEEK	GRAB	AERATION BASIN 4 CONTENTS
001	30-MINUTE SETTLEABILITY	5 TIMES PER WEEK	GRAB	AERATION BASIN 4 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AERATION BASIN 4 CONTENTS
001	SOLIDS, MIXED LIQUOR SUSPENDED	5 TIMES PER WEEK	GRAB	AERATION BASIN 3 CONTENTS
001	TEMPERATURE	5 TIMES PER WEEK	GRAB	AERATION BASIN 3 CONTENTS
001	30-MINUTE SETTLEABILITY	5 TIMES PER WEEK	GRAB	AERATION BASIN 3 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AERATION BASIN 3 CONTENTS
001	SOLIDS, MIXED LIQUOR SUSPENDED	5 TIMES PER WEEK	GRAB	AERATION BASIN 2 CONTENTS
001	TEMPERATURE	5 TIMES PER WEEK	GRAB	AERATION BASIN 2 CONTENTS
001	30-MINUTE SETTLEABILITY	5 TIMES PER WEEK	GRAB	AERATION BASIN 2 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AERATION BASIN 2 CONTENTS

Facility Name: Perry, City of STP

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### Monitoring and Reporting Requirements

- (a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.
- (b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized.
- (c) Chapter 63 of the Iowa Administrative Code provides you with further explanation of your monitoring requirements.
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- (e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the department by the fifteenth day following the close of the reporting period. Your reporting period is on a monthly basis, ending on the last day of each reporting period.

Outfall Number	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	SOLIDS, MIXED LIQUOR SUSPENDED	5 TIMES PER WEEK	GRAB	AERATION BASIN 1 CONTENTS
001	TEMPERATURE	5 TIMES PER WEEK	GRAB	AERATION BASIN 1 CONTENTS
001	30-MINUTE SETTLEABILITY	5 TIMES PER WEEK	GRAB	AERATION BASIN 1 CONTENTS
001	DISSOLVED OXYGEN	5 TIMES PER WEEK	GRAB	AERATION BASIN 1 CONTENTS

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### Special Monitoring Requirements

**Outfall  
Number**

**Description**

001

FLOW

Total raw waste flow in MGD for each day shall be the calculated sum of the flow measured at the retention basin influent flow meter and the mechanical plant flow meter. The total raw waste flow shall be used to calculate the pounds per day influent load for CBOD5 and TSS.

001

FLOW

The flow measured at the mechanical plant flow meter shall be used to calculate the lbs/day CBOD5, TSS and NH3-N discharged to the receiving stream.

001

COLIFORM,FECAL

The limits for fecal coliform are no longer just daily maximum limits of 200 org/ 100ml. They are now geometric mean and daily sample maximum limits. The fecal coliform monitoring frequency is no longer just one sample per 3 months. It has changed to five samples collected in one calendar month per each 3-month period. The 5 individual samples collected each calendar month are not to be collected on the same day. They are to be collected at least with a 2-day interval between them. Individual test results will be used to determine compliance with the maximum limit. Compliance with the geometric mean will be determined by using the five required samples each month. The formula for calculating the geometric mean is:  
Geometric Mean=  $(X1 * X2 * X3 * X4 * X5)^{(1/5)}$ .

The disinfection season (summer season) has changed from April 1 to October 31 to March 15 to November 15. The treatment facility will be required to disinfect its effluent from March 15 to November 15. Since the disinfection season now extends from March 15 to November 15, the NPDES permit will require your facility to collect 5 individual fecal coliform samples two days apart during a calendar month selected for each of the three 3-month periods beginning March 1st and ending November 30th. For example the operator, for the first 3-month period, may chose April as the calendar month to collect the 5 individual fecal coliform samples to determine compliance with the monthly geometric mean. The operator may also choose the months of March or May as well, as long as each of the 5 samples are collected at intervals at least 2 days apart during the calendar month. The same principle applies to the other two 3-month periods during encompassing the disinfection season.

001

SANITARY LANDFILL LEACHATE

SEE PAGES 15 AND 16 OF THIS PERMIT FOR ADDITIONAL SANITARY LEACHATE MONITORING

Facility Name: Perry, City of STP

Permit Number: 2561001

**Industrial Contributor Discharges**

**Industrial Contributor:** NORTH DALLAS SOLID WASTE LANDFILL

**Outfall  
Number**

**Outfall Description**

001

LANDFILL LEACHATE IS TRUCKED TO THE TREATMENT PLANT FOR DISPOSAL.



Facility Name: Perry, City of STP

Permit Number: 2561001

**Industrial Contributor Effluent Limitations**

**Industrial Contributor:** NORTH DALLAS SOLID WASTE LANDFILL

**Outfall No.:** 001 LANDFILL LEACHATE IS TRUCKED TO THE TREATMENT PLANT FOR DISPOSAL.

You are prohibited from discharging pollutants except in compliance with the following effluent limitations:

Wastewater Parameter	Season	Type of Limit	% Removal	EFFLUENT LIMITATIONS							
				Concentration				Mass			
				7 Day Average/Min	30 Day Average	Daily Maximum	Units	7 Day Average	30 Day Average	Daily Maximum	Units
FLOW	YEARLY	FINAL			0.02	0.04	MGD				
BIOCHEMICAL OXYGEN DEMAND (BOD5)	YEARLY	FINAL							15.0	30.0	LBS/DAY
TOTAL SUSPENDED SOLIDS	YEARLY	FINAL							15.0	100.0	LBS/DAY
AMMONIA NITROGEN (N)	YEARLY	FINAL							0.33	1.34	LBS/DAY
PH (MINIMUM - MAXIMUM)	YEARLY	FINAL		6.0		10.0	STD UNITS				
CADMIUM, TOTAL (AS CD)	YEARLY	FINAL			0.07	0.11	MG/L		0.012	0.037	LBS/DAY
CHROMIUM, TOTAL (AS CR)	YEARLY	FINAL			1.71	2.77	MG/L		0.285	0.924	LBS/DAY
COPPER, TOTAL (AS CU)	YEARLY	FINAL			0.4	0.5	MG/L		0.067	0.167	LBS/DAY
CYANIDE, TOTAL (AS CN)	YEARLY	FINAL			0.65	1.2	MG/L		0.108	0.4	LBS/DAY
LEAD, TOTAL (AS PB)	YEARLY	FINAL			0.43	0.69	MG/L		0.072	0.23	LBS/DAY
NICKEL, TOTAL (AS NI)	YEARLY	FINAL			2.38	3.98	MG/L		0.397	1.328	LBS/DAY
OIL AND GREASE	YEARLY	FINAL			100.0	125.0	MG/L				
SILVER, TOTAL (AS AG)	YEARLY	FINAL			0.24	0.43	MG/L		0.04	0.143	LBS/DAY
ZINC, TOTAL (AS ZN)	YEARLY	FINAL			1.48	2.61	MG/L		0.247	0.871	LBS/DAY

Note: If seasonal limits apply, summer is from March 15 through November 15, and winter is from November 16 through March 14.

Facility Name: Perry, City of STP

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### Industrial Contributor Monitoring and Reporting Requirements

Industrial Contributor: NORTH DALLAS SOLID WASTE LANDFILL

- (a) Samples and measurements taken shall be representative of the volume and nature of the monitored wastewater.
- (b) Analytical and sampling methods specified in 40 CFR Part 136 or other methods approved in writing by the department shall be utilized.
- (c) Chapter 63 of the Iowa Administrative Code provides you with further explanation of your monitoring requirements.
- (d) You are required to report all data including calculated results needed to determine compliance with the limitations contained in this permit. This includes daily maximums and minimums, 30-day averages and 7-day averages for all parameters that have concentration (mg/l) and mass (lbs/day) limits. Also, flow data shall be reported in million gallons per day (MGD).
- (e) Results of all monitoring shall be recorded on forms provided by, or approved by, the department, and shall be submitted to the department by the fifteenth day following the close of the reporting period. Your reporting period is on a monthly basis, ending on the last day of each reporting period.

Outfall Number	Wastewater Parameter	Sample Frequency	Sample Type	Monitoring Location
001	FLOW	1 EVERY BATCH	24 HOUR TOTAL	PRIOR TO DISCHARGE TO POTW
001	BIOCHEMICAL OXYGEN DEMAND (BOD5)	1 EVERY 3 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	TOTAL SUSPENDED SOLIDS	1 EVERY 3 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	AMMONIA NITROGEN (N)	1 EVERY 3 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	PH (MINIMUM - MAXIMUM)	1 EVERY 3 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	CADMIUM, TOTAL (AS CD)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	CHROMIUM, TOTAL (AS CR)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	COPPER, TOTAL (AS CU)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	CYANIDE, TOTAL (AS CN)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	LEAD, TOTAL (AS PB)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	NICKEL, TOTAL (AS NI)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	OIL AND GREASE	1 EVERY 3 MONTHS	GRAB	PRIOR TO DISCHARGE TO POTW
001	SILVER, TOTAL (AS AG)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW
001	ZINC, TOTAL (AS ZN)	1 EVERY MONTH	GRAB	PRIOR TO DISCHARGE TO POTW

Facility Name: Perry, City of STP

Permit Number: 2561001

Outfall Number: 001

#### Ceriodaphnia and Pimephales Toxicity Effluent Testing

1. For facilities that have not been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within three (3) months of permit issuance. For facilities that have been required to conduct toxicity testing by a previous NPDES permit, the initial annual toxicity test shall be conducted within twelve months (12) of the last toxicity test.
2. The test organisms that are to be used for acute toxicity testing shall be *Ceriodaphnia dubia* and *Pimephales promelas*. The acute toxicity testing procedures used to demonstrate compliance with permit limits shall be those listed in 40 CFR Part 136 and adopted by reference in rule 567--63.1(1). The method for measuring acute toxicity is specified in USEPA, October 2002, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition. U.S. Environmental Protection Agency, Office of Water, Washington, D.C., EPA 821-R-02-012.
3. The diluted effluent sample must contain a minimum of 89.60% effluent and no more than 10.40 % of culture water.
4. One valid positive toxicity result will require quarterly testing for effluent toxicity.
5. Two successive valid positive toxicity results or three positive results out of five successive valid effluent toxicity tests will require a toxic reduction evaluation to be completed to eliminate the toxicity.
6. A non-toxic test result shall be indicated as a "1" on the monthly operation report. A toxic test result shall be indicated as a "2" on the monthly operation report. DNR Form 542-1381 shall also be submitted to the DNR field office along with the monthly operation report.

#### Ceriodaphnia and Pimephales Toxicity Effluent Limits

The 30 day average mass limit of "1" for the parameters Acute Toxicity, *Ceriodaphnia* and Acute Toxicity, *Pimephales* means no positive toxicity results.

Definition: "Positive toxicity result" means a statistical difference of mortality rate between the control and the diluted effluent sample. For more information see USEPA, October 2002, Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, Fifth Edition, U.S. Environmental Protection Agency, Office of Water, Washington, D.C. EPA 821-R-01-012.

Facility Name: Perry, City of STP

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### Design Capacity

Outfall Number: 001

The design capacity for the treatment works is specified in Construction Permit Number 98-231-S, issued May 11, 1998. The treatment plant is designed to treat an average dry weather (ADW) flow of 1.5000 million gallons per day (MGD), an average wet weather (AWW) flow of 2.9000 MGD, and a maximum wet weather (MWW) flow of 4.3500 MGD. The design 5-day biochemical oxygen demand (BOD5) load is 3500 lbs./day. The design Total Kjeldahl Nitrogen (TKN) load is 992 lbs./day.

Operator Certification Type/Grade: WW/IV

Wastes in such volumes or quantities as to exceed the design capacity of the treatment works or reduce the effluent quality below that specified in the operation permit of the treatment works are considered to be a waste which interferes with the operation or performance of the treatment works and are prohibited by rule IAC 567-62.1(7).

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### SEWAGE SLUDGE HANDLING AND DISPOSAL REQUIREMENTS

"Sewage sludge" is solid, semisolid, or liquid residue generated during the treatment of domestic sewage in a treatment works. Sewage sludge does not include the grit and screenings generated during preliminary treatment.

1. The permittee shall comply with all existing Federal and State laws and regulations that apply to the use and disposal of sewage sludge and with technical standards developed pursuant to Section 405(d) of the Clean Water Act when such standards are promulgated. If an applicable numerical limit or management practice for pollutants in sewage sludge is promulgated after issuance of this permit that is more stringent than a sludge pollutant limit or management practice specified in existing Federal or State laws or regulations, this permit shall be modified, or revoked and reissued, to conform to the regulations promulgated under Section 405(d) of the Clean Water Act. The permittee shall comply with the limitation no later than the compliance deadline specified in the applicable regulations.
2. The permittee shall provide written notice to the Department of Natural Resources prior to any planned changes in sludge disposal practices.
3. Land application of sewage sludge shall be conducted in accordance with criteria established in rule IAC 567--67.1 through 67.11 (455B).

Facility Name: Perry, City of STP

Permit Number: 2561001

**MAJOR CONTRIBUTING INDUSTRIES  
LIMITATIONS, MONITORING AND REPORTING REQUIREMENTS**

1. You are required to notify the department, in writing, of any of the following:
  - (a) 180 days prior to the introduction of pollutants to your facility from a major contributing industry. A major contributing industry means an industrial user of a treatment works that:
    - (1) Has a flow of 50,000 gallons or more per average work day;
    - (2) Has a flow greater than five percent (5%) of the flow carried by the treatment works receiving the waste;
    - (3) Has in its waste a toxic pollutant in toxic amounts as defined in standards issued under Section 307 (a) of the Clean Water Act and adopted by reference in Rule 62.5(455B); or
    - (4) Is found by the department in connection with the issuance of an NPDES permit to have a significant impact, either alone or in combination with other contributing industries, on the treatment works or on the quality of effluent from the treatment works.
  - (b) 60 days prior to a proposed expansion, production increase or process modification that may result in the discharge of a new pollutant or a discharge in excess of limitations stated in the existing treatment agreement.
  - (c) 10 days prior to any commitment by you to accept waste from any new major contributing industry.

Your written notification must include a new or revised treatment agreement in accordance with rule 64.3(5)(455B).

2. You shall require all users of your facility to comply with Sections 204(b), 307 and 308 of the Clean Water Act.

Section 204(b) requires that all users of the treatment works constructed with funds provided under Sections 201(g) or 601 of the Act to pay their proportionate share of the costs of operation, maintenance and replacement of the treatment works.

Section 307 of the Act requires users to comply with pretreatment standards promulgated by EPA for pollutants that would cause interference with the treatment process or would pass through the treatment works.

Section 308 of the Act requires users to allow access at reasonable times to state and EPA inspectors for the purpose of sampling the discharge and reviewing and copying records.

3. You shall limit and monitor pollutants for each major contributing industry as required elsewhere in this permit, and submit sample results to the department monthly. Your report shall be submitted by the fifteenth day of the following month.

Revised: August 18, 1993 cwf

Facility Name: City of Perry  
 NPDES Permit Number: 2561001

### ADDITIONAL MONITORING REQUIREMENTS - NORTH DALLAS SANITARY LANDFILL

The permittee shall analyze a representative sample of the leachate discharge from the North Dallas Sanitary Landfill at least annually for each of the pollutants listed below. Also, the permittee shall monitor the volume of waste discharged and shall sample and analyze for each of the listed pollutants and at the frequencies specified on page 10 of this permit.

#### Conventional Pollutants and Metals

Biochemical Oxygen Demand (BOD<sub>5</sub>)  
 Total Organic Carbon  
 Total Dissolved Solids  
 Total Suspended Solids  
 Ammonia Nitrogen  
 Total Kjeldahl Nitrogen  
 Oil & Grease  
 Arsenic, Total (as As)  
 Barium, Total (as Ba)  
 Cadmium, Total (as Cd)  
 Chromium, Total (as Cr)  
 Copper, Total (as Cu)  
 Iron, Total (as Fe)  
 Lead, Total (as Pb)  
 Mercury, Total (as Hg)  
 Nickel, Total (as Ni)  
 Selenium, Total (as Se)  
 Silver, Total (as Ag)  
 Zinc, Total (as Zn)

#### Volatile Compounds

Method of Analysis: EPA Methods 624 or 1624

Chloromethane (methyl chloride)  
 Bromomethane (methyl bromide)  
 Vinyl chloride  
 Chloroethane (ethyl chloride)  
 Methylene chloride (dichloromethane)  
 1,1-Dichloroethene (1,1-dichloroethylene)  
 1,1-Dichloroethane  
 1,2-Dichloroethene (1,2-dichloroethylene)  
 Chloroform  
 1,2-Dichloroethane

1,1,1-Trichloroethane (methyl chloroform)  
 Carbon tetrachloride  
 Bromodichloromethane  
 1,1,2,2-Tetrachloroethane  
 1,2-Dichloropropane  
 1,3-Dichloropropene  
 Trichloroethene  
 Dibromochloromethane  
 1,1,2-Trichloroethane  
 Benzene  
 2-Chloroethyl vinyl ether  
 Bromoform  
 Tetrachloroethene  
 Toluene  
 Chlorobenzene  
 Ethylbenzene  
 Xylene

#### Acid Extractible Compounds

Method of Analysis: EPA Methods 625 or 1625

2-Chlorophenol  
 2-Nitrophenol  
 2,4-Dimethylphenol  
 Benzoic acid  
 2,4-Dichlorophenol  
 4-Chloro-3-methylphenol  
 2,4,6-Trichlorophenol  
 2,4,5-Trichlorophenol  
 2,4-Dinitrophenol  
 4-Nitrophenol  
 4,6-Dinitro-2-methylphenol  
 Pentachlorophenol

**Chlorinated Hydrocarbon Insecticides****Methods of Analysis:** EPA Methods 608 or 625

Beta BHC  
 Delta BHC  
 Gamma BHC  
 Heptachlor  
 Aldrin  
 Heptachlor epoxide  
 Endosulfan  
 Dieldrin  
 4,4'-DDE  
 Endrin  
 Endosulfan II  
 4,4'-DDD  
 Endosulfan sulfate  
 4,4'-DDT  
 Endrin aldehyde  
 Chlordane  
 Toxaphene

**Polychlorinated Biphenyls****Methods of Analysis:** EPA Methods 608 or 625

Arochlor-1016  
 Arochlor-1221  
 Arochlor-1232  
 Arochlor-1242  
 Arochlor-1248  
 Arochlor-1254  
 Arochlor-1260

**Base/Neutral Compounds****Methods of Analysis:** EPA Methods 625 or 1625

bis (2-chloroethyl) ether  
 1,3-Dichlorobenzene  
 1,4-Dichlorobenzene  
 Benzyl alcohol  
 1,2-Dichlorobenzene  
 bis (2-chloroisopropyl) ether  
 N-Nitroso-dipropylamine

Hexachloroethane  
 Nitrobenzene  
 Isophorone  
 bis (2-chloroethoxy) methane  
 1,2,4-Trichlorobenzene  
 Naphthalene  
 Hexachlorobutadiene  
 Hexachlorocyclopentadiene  
 2-Chloronaphthalene  
 Dimethyl phthalate  
 Acenaphthylene  
 Acenaphthene  
 Dibenzofuran  
 2,4-Dinitrotoluene  
 2,6-Dinitrotoluene  
 Diethyl phthalate  
 4-Chlorophenyl phenyl ether  
 Fluorene  
 N-Nitrosodiphenylamine  
 4-Bromophenyl phenyl ether  
 Hexachlorobenzene  
 Phenanthrene  
 Anthracene  
 Di-n-butyl phthalate  
 Fluoranthene  
 Pyrene  
 Butyl benzyl phthalate  
 3,3'-Dichlorobenzidine  
 Benzo (a) anthracene  
 bis (2-ethylhexyl) phthalate  
 Chrysene  
 Di-n-octyl phthalate  
 Benzo (b) fluoranthene  
 Benzo (k) fluoranthene  
 Benzo (a) pyrene  
 Indeno (1,2,3-cd) pyrene  
 Dibenz (a,h) anthracene  
 Benzo (g,h,i) perylene



## STANDARD CONDITIONS

### 1. DEFINITIONS

- (a) 7 day average means the sum of the total daily discharges by mass, volume or concentration during a 7 consecutive day period, divided by the total number of days during the period that measurements were made. Four 7 consecutive day periods shall be used each month to calculate the 7-day average. The first 7-day period shall begin with the first day of the month.
- (b) 30 day average means the sum of the total daily discharges by mass, volume or concentration during a calendar month, divided by the total number of days during the month that measurements were made.
- (c) daily maximum means the total discharge by mass, volume or concentration during a twenty-four hour period.

### 2. DUTY TO COMPLY

You must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Issuance of this permit does not relieve you of the responsibility to comply with all local, state and federal laws, ordinances, regulations or other legal requirements applying to the operation of your facility.  
{See 40 CFR 122.41(a) and 567-64.7(4)(e) IAC}

### 3. DUTY TO REAPPLY

If you wish to continue to discharge after the expiration date of this permit you must file an application for reissuance at least 180 days prior to the expiration date of this permit.  
{See 567-64.8(1) IAC}

### 4. NEED TO HALT OR REDUCE ACTIVITY

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.  
{See 40 CFR 122.41(c) and 567-64.7(5)(j) IAC}

### 5. DUTY TO MITIGATE

You shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.  
{See 40 CFR 122.41(d) and 567-64.7(5)(i) IAC}

### 6. PROPERTY RIGHTS

This permit does not convey any property rights of any sort or any exclusive privileges.

### 7. TRANSFER OF TITLE

If title to your facility, or any part of it, is transferred the new owner shall be subject to this permit.  
{See 567-64.14 IAC}

You are required to notify the new owner of the requirements of this permit in writing prior to any transfer of title. The Director shall be notified in writing within 30 days of the transfer

### 8. PROPER OPERATION AND MAINTENANCE

All facilities and control systems shall be operated as efficiently as possible and maintained in good working order. A sufficient number of staff, adequately trained and knowledgeable in the operation of your facility shall be retained at all times and adequate laboratory controls and appropriate quality assurance procedures shall be provided to maintain compliance with the conditions of this permit.  
{See 40 CFR 122.41(e) and 567 64.7(5)(f) IAC}

### 9. DUTY TO PROVIDE INFORMATION

You must furnish to the Director, within a reasonable time, any information 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. You must also furnish to the Director, upon request, copies of any records required to be kept by this permit.

### 10. MAINTENANCE OF RECORDS

You are required to maintain records of your operation in accordance with 567-63.2 IAC.

### 11. PERMIT MODIFICATION, SUSPENSION OR REVOCATION

(a) This permit may be modified, suspended, or revoked and reissued for cause including but not limited to those specified in 567-64.3(11) IAC.

(b) This permit may be modified due to conditions or information on which this permit is based, including any new standard the department may adopt that would change the required effluent limits.  
{See 567-64.3(11) IAC}

(c) If a toxic pollutant is present in your discharge and more stringent standards for toxic pollutants are established under Section 307(a) of the Clean Water Act, this permit will be modified in accordance with the new standards.  
{See 40 CFR 122.62(a)(6) and 567-64.7(5)(g) IAC}

The filing of a request for a permit modification, revocation or suspension, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

### 12. SEVERABILITY

The provisions of this permit are severable and if any provision or application of any provision to any circumstance is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding.

## STANDARD CONDITIONS

### 13. INSPECTION OF PREMISES, RECORDS, EQUIPMENT, METHODS AND DISCHARGES

You are required to permit authorized personnel to:

- (a) Enter upon the premises where a regulated facility or activity is located or conducted or where records are kept under conditions of this permit.
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit.
- (c) Inspect, at reasonable times, any facilities, equipment, practices or operations regulated or required under this permit.
- (d) Sample or monitor, at reasonable times, for the purpose of assuring compliance or as otherwise authorized by the Clean Water Act.

### 14. TWENTY-FOUR HOUR REPORTING

You shall report any noncompliance that may endanger human health or the environment. Information shall be provided orally within 24 hours from the time you become aware of the circumstances. A written submission that includes a description of noncompliance and its cause; the period of noncompliance including exact dates and times, whether the noncompliance has been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent a reoccurrence of the noncompliance must be provided within 5 days of the occurrence. The following instances of noncompliance must be reported within 24 hours of occurrence:

- (a) Any unanticipated bypass which exceeds any effluent limitation in the permit.  
{See 40 CFR 122.41(l)(5)(ii)(A)}
- (b) Any upset which exceeds any effluent limitation in the permit.  
{See 40 CFR 122.41(l)(5)(ii)(B)}
- (c) Any violation of a maximum daily discharge limit for any of the pollutants listed by the Director in the permit to be reported within 24 hours.  
{See 40 CFR 122.41(l)(5)(ii)(C)}

### 15. OTHER NONCOMPLIANCE

You shall report all instances of noncompliance not reported under Condition #14 at the time monitoring reports are submitted.

### 16. ADMINISTRATIVE RULES

Rules of this Department which govern the operation of your facility in connection with this permit are published in Part 567 of the Iowa Administrative Code (IAC) in Chapters 60-65 and 121. Reference to the term "rule" in this permit means the designated provision of Part 567 of the Iowa Administrative Code.

### 17. NOTICE OF CHANGED CONDITIONS

You are required to report any changes in existing conditions or information on which this permit is based:

- (a) Facility expansions, production increases or process modifications which may result in new or increased discharges of pollutants must be reported to the Director in advance. If such discharges will exceed effluent limitations, your report must include an application for a new permit.  
{See 567-64.7(5)(a) IAC}
- (b) If any modification of, addition to, or construction of a disposal system is to be made, you must first obtain a written permit from this Department.  
{See 567-64.2 IAC}
- (c) If your facility is a publicly owned treatment works or otherwise may accept waste for treatment from industrial contributors see 567-64.3(5) IAC for further notice requirements.
- (d) You shall notify the Director as soon as you know or have reason to believe that any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in this permit.  
{See 40 CFR 122.42(a)}
- (e) No construction activity that will result in disturbance of one acre or more shall be initiated without first obtaining coverage under NPDES General Permit No. 2 for "Storm water discharge associated with construction activity".

You must also notify the Director if you have begun or will begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

### 18. OTHER INFORMATION

Where you become aware that you failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report, you must promptly submit such facts or information.

## STANDARD CONDITIONS

### 19. UPSET PROVISION

(a) Definition - "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

(b) Effect of an upset. An upset constitutes an affirmative defense in an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph "c" of this condition are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.

(c) Conditions necessary for demonstration of an upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An upset occurred and that the permittee can identify the cause(s) of the upset.
- (2) The permitted facility was at the time being properly operated; and
- (3) The permittee submitted notice of the upset to the Department in accordance with 40 CFR 122.41(l)(6)(ii)(B).
- (4) The permittee complied with any remedial measures required by Item #5 of the Standard Conditions of this permit.

(d) Burden of Proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

### 20. FAILURE TO SUBMIT FEES

This permit may be revoked, in whole or in part, if the appropriate permit fees are not submitted within thirty (30) days of the date of notification that such fees are due.

### 21. BYPASSES

(a) Definition - Bypass means the intentional diversion of waste streams from any portion of a treatment facility.

(b) Prohibition of bypass, Bypass is prohibited and the department may take enforcement action against a permittee for bypass unless:

### BYPASSES (Continued)

(1) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;

(2) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance;

(3) The permittee submitted notices as required by paragraph "d" of this section.

(c) The Director may approve an anticipated bypass after considering its adverse effects if the Director determines that it will meet the three conditions listed above.

(d) Reporting bypasses. Bypasses shall be reported in accordance with 567-63.6 IAC.

### 22. SIGNATORY REQUIREMENTS

Applications, reports or other information submitted to the Department in connection with this permit must be signed and certified as required by 567-64.3(8) IAC.

### 23. USE OF CERTIFIED LABORATORIES

Effective October 1, 1996, analyses of wastewater, groundwater or sewage sludge that are required to be submitted to the department as a result of this permit must be performed by a laboratory certified by the State of Iowa. Routine, on-site monitoring for pH, temperature, dissolved oxygen, total residual chlorine and other pollutants that must be analyzed immediately upon sample collection, settleable solids, physical measurements, and operational monitoring tests specified in 567-63.3(4) are excluded from this requirement.

### 24. LEGAL AND FINANCIAL LIABILITY WAIVER

No legal or financial responsibility arising from the operation or maintenance of any disposal system or part thereof installed by the permittee to achieve compliance with this permit shall attach to the State of Iowa or the Iowa Department of Natural Resources.