

From: Industrial Waste and Pollution Prevention Section

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December 11, 2015

To: Michael Austin, Associate Director, Environmental Health & Safety

University of Minnesota - Large Animal Holding and Isolation
501 SE 23rd Ave
Minneapolis, MN 55455

RE: INDUSTRIAL DISCHARGE PERMIT NUMBER 1017

FOR THE FACILITY LOCATED AT

1907 Carter Ave

Falcon Heights, MN 55108

TRANSMITTED HEREWITH is the reissued Industrial Discharge Permit for the above referenced facility. This Permit has been reissued by Metropolitan Council Environmental Services for the period specified, and it supersedes the previous Permit. The discharge of Industrial Waste into the Metropolitan Disposal System is hereby allowed, subject to any and all provisions of the Waste Discharge Rules for the Metropolitan Disposal System, and this Permit.

THE INDUSTRIAL DISCHARGE PERMIT contains Discharge Limitations, Monitoring and Reporting Requirements, General Permit Conditions, Specific Permit Conditions, and a Compliance Schedule (if necessary). Any failure to submit the required Industrial Waste Discharge Reports, or any reports required by a Compliance Schedule, is a violation of this Permit. The Permit Number shall be included on all correspondence regarding this Permit.

THE PERMITTEE is reminded that reissuance of this Permit is not automatic; the Permittee must apply for reissuance at least 60 days prior to the Permit expiration date. If questions arise, contact Karalynn Marr at (651) 602-4727 or via email at karalynn.marr@metc.state.mn.us.

Sincerely,



Robert Nordquist, P.E.
Industrial Waste Manager
MCES Industrial Waste & Pollution Prevention Section

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

INDUSTRIAL DISCHARGE PERMIT

Pursuant to the provisions of Minnesota Statutes Chapter 473 as amended and the Waste Discharge Rules for the Metropolitan Disposal System (MDS) permission is hereby granted to

University of Minnesota - Large Animal Holding and Isolation

1907 Carter Ave

Falcon Heights, MN 55108

for the discharge of Industrial Waste into public sewers within the community of Falcon Heights tributary to the Metropolitan Council's Metropolitan Wastewater Treatment Plant.

This Permit is granted in accordance with the application previously submitted and in consideration of the plans, specifications and data contained in the application.

Discharge Limitations, Monitoring and Reporting Requirements, Compliance Schedules, General Permit Conditions, and Specific Permit Conditions are contained in following sections of this Permit.

EFFECTIVE DATE: January 01, 2016

EXPIRATION DATE: December 31, 2018

Issued by METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES



December 10, 2015

General Manager, or duly authorized representative
Larry Rogacki, Assistant General Manager
Support Services Business Unit

Date

METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES (MCES)

A. Discharge Limitations

1. Discharge Limits at Sample Location(s):

The following Discharge Limits are based on the listed Rule(s) for the specified sampling location(s):

SP-04: Physically combined composite sample of SP-01 and SP-02

Applicable Rule	Rule Description	Regulated Pollutant	Standard (mg/L)
Waste Discharge Rule 401.00	MCES Local Pretreatment Standards	Cadmium	1.0
		Chromium	6.0
		Copper	4.0
		Cyanide, total	4.0
		Lead	1.0
		Mercury	0.002
		Nickel	6.0
		Zinc	6.0
		pH Minimum (Standard Units)	5.0
		pH Maximum (Standard Units)	11.0

Local pretreatment standards for metals and cyanide are the maximum for any 24 hour period.

pH standards are continuous and apply at all times.

2. Prohibited Waste Discharges

Prohibited wastes are specific in Waste Discharge Rule 406 and include, but are not limited to the following: (a) Flammable, explosive and corrosive wastes, gasoline, fuel oil, lubricating oil, hydraulic oil, motor oil, or grease; (b) Wastes that are likely to obstruct the flow within public sewers: grease, fat or oil of animal or vegetable origin, solid wastes, garbage, guts, bones, ash, sand, rags, lime, metal, wood, plastic, glass, or yard wastes; (c) Wastes that are likely to cause interference, pass-through, or operational problems: slug discharges, toxic chemicals, poisons, dyes, or inks; (d) Wastes that are likely to cause a public nuisance: noxious, malodorous, or foam producing substances; (e) Hazardous wastes, as defined by Minnesota Statutes; and (f) Waste generated outside of the Metropolitan Area.

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B. Monitoring and Reporting Requirements

1. Following are the specific monitoring point location(s), sample collection frequency, volume determination, sample compositing, and (if necessary) the calculation methods required by this Industrial Discharge Permit. Representative wastewater samples shall be collected at each sampling point (SP) by the Permittee in accordance with these requirements and Waste Discharge Rules 212, 213, and 215. **These samples shall be collected each reporting period on normal operating days based on the corresponding frequency listed in Attachment A.**

i) Monitoring Point:

SP-01: Maintenance Hole, South of Liquid Pit, for Large Animal Holding and Goat Addition Barns

Sampling shall be conducted at the maintenance hole, south of the liquid pit, that contains all process discharge from the Large Animal Holding and Goat Addition Barns.

SP-02: Maintenance Hole, South of Building 386A, for Isolation Buildings and Teaching Barn

Sampling shall be conducted at the maintenance hole, south of Building 386A, that contains all discharge from the Isolation Buildings and the Teaching Barn.

SP-04: Physically combined composite sample of SP-01 and SP-02

The daily composite samples from SP-01 and SP-02 shall be combined, based on sampling day discharge volumes, into one total facility sample.

ii) Collection Frequency:

Samples shall be collected at a minimum frequency of once every half-hour during over a 24-hour period.

iii) Volume Determination:

Discharge volumes through SP-01 and SP-02 shall be determined by incoming water meter readings less documented losses.

iv) Compositing Method:

Hourly samples collected from each sampling point during operating hours, shall be composited flow proportionally, based on hourly incoming water meter readings, into a daily composite sample for each sampling point.

The two daily sampling point composites shall be combined, based on sampling day volumes into a total facility composite, which shall be analyzed for the parameters listed in Attachment A and the results compared to the Discharge Limits listed in section A.1.

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B. Monitoring and Reporting Requirements (continued)

v) MCES Strength Charge:

The MCES Strength Charge is based on total facility concentrations for Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS), and the total facility discharge volume for each reporting period. MCES Strength Charges are determined in accordance with Waste Discharge Rule 302.

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B. Monitoring and Reporting Requirements (continued)

2. Parameters

Chemical analysis, in accordance with Waste Discharge Rule 216, of the sample(s) representing the waste discharged through the specific monitoring point(s), shall be performed for the following parameters:

See Attachment A

3. Reporting Requirements

- a. The Permittee shall submit a complete Industrial Waste Discharge Report 1 time per year, according to the following schedule:

<u>Reporting Period</u>	<u>Report Due in MCES office by</u>
January 1 - December 31	January 30

- b. Permittees subject to EPA Categorical Pretreatment Standards shall submit an EPA Categorical Compliance Report with each Industrial Waste Discharge Report.

C. Compliance Schedule

The Permittee shall install additional pretreatment equipment and/or conduct necessary operation and maintenance to comply with the Discharge Limitations in accordance with the schedule set forth in:

Not Applicable

D. General Permit Conditions

1. All discharges into public sewers by the Permittee shall be in accordance with applicable provisions of the Waste Discharge Rules for the MDS and this Permit.
2. The Permittee shall not knowingly make any false statement, representation or certification in any record, report, plan or other document submitted to MCES.
3. This Permit shall not release the Permittee from any liability, duty or penalty imposed by local, state or federal statutes, regulations, ordinances or license requirements regarding waste disposal.

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D. General Permit Conditions (continued)

4. This Permittee shall take all reasonable precautions to minimize all accidental discharges including prohibited slugs, spills, and bypasses. Plans for the prevention and control of accidental discharges shall be submitted to the Industrial Waste & Pollution Prevention Section for approval within a specific period of time when required by MCES. **In the event of any significant accidental discharge, spill, or bypass, the Permittee shall IMMEDIATELY notify the Minnesota State Duty Officer at (651) 649-5451 and report the facility address, and other pertinent information.**

In accordance with Waste Discharge Rule 412, the Permittee shall post a permanent notice on an employee bulletin board or other prominent place advising employees how to notify the Minnesota State Duty Officer in the event of an accidental or prohibited slug discharge.

5. The Permittee shall notify the Industrial Waste & Pollution Prevention Section within 24 hours of becoming aware of any violation of the Discharge Limitations in Section A. of this Permit.
6. The Permittee shall pay applicable Permit fees, Strength Charges, Load Charges, self-monitoring report late fees, and other cost recovery fees assessed by MCES.
7. In accordance with Waste Discharge Rule 211, the Permittee shall not assign or transfer an Industrial Discharge Permit to a new owner, or a new location, without the written approval of MCES.
8. In accordance with Waste Discharge Rule 214, the Permittee shall unconditionally allow MCES personnel to enter the Permittee's premises for the purposes of inspection, monitoring, records review or any other actions, needed to verify information received by MCES or determine compliance with the Waste Discharge Rules and this Permit. The Permittee shall not place conditions upon entry of MCES personnel to the Permittee's premises. In the event that an employee of MCES signs any document agreeing to conditions of entry, including, but not limited to confidentiality of information, this Permit supersedes any such agreement.
9. The Permittee shall retain its waste disposal records, in accordance with Waste Discharge Rule 214, for a period of not less than three years.
10. The analytical results for all wastewater monitoring conducted during each reporting period, at the monitoring point(s) specified in this Permit or at points representing the industrial discharge through the monitoring point(s), including in-house sampling and analysis, shall be submitted with each Industrial Waste Discharge Report. All analytical results shall include the operating day discharge volume. Permittees conducting more than one sampling event, in accordance with Permit requirements in Section B, during a reporting period, shall compute an arithmetic average for all parameters subject to EPA Categorical Pretreatment Standards. The average operating day discharge volume shall also be included. For pH, the minimum and maximum value in the range of measured values shall be listed.

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D. General Permit Conditions (continued)

11. If applicable, the Permittee shall install, operate, and maintain sampling and monitoring devices in proper working order at the Permittee's expense.
12. The Permittee shall notify the Industrial Waste & Pollution Prevention Section at least 60 days prior to making changes, such as:
 - moving, adding, or replacing processes or equipment, or
 - modification of the wastewater monitoring point, or
 - installation or modification of wastewater pretreatment equipment, or
 - any other operational changes that would significantly affect the volume or characteristics of the wastewater discharged.

This Permit shall then be subject to modification or reissuance in accordance with Waste Discharge Rules 206-209.

13. The Permittee shall be subject to civil liability as a result of discharges which violate the Waste Discharge Rules, applicable federal pretreatment standards or requirements, or any requirement or condition contained in this Permit. Further, any violation may also result in the Permittee being subject to civil and/or criminal penalties in the amount of \$1,000 per day, 90 days imprisonment, or both.
14. Information and data that Permittees submit to MCES shall be available to the public as required by Waste Discharge Rule 221, the Minnesota Government Data Practices Act, Minnesota Statutes, chapter 13, 40 CFR part 403.14 or any other applicable law. The Permittee may make a written request that certain submitted information remain confidential. If MCES determines that this information is eligible for classification as confidential, then the information will not be made available to the public. Information determined to be confidential will remain available only to MCES or any other public agency with the authority to view such information. Information that MCES needs to determine applicable regulations, compliance with the Waste Discharge Rules, or characteristics of the wastewater discharge cannot be deemed confidential.

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E. Specific Permit Conditions

1. Wastewater Volume Review - The results of the wastewater volume review conducted prior to the reissuance of this Industrial Discharge Permit indicate that the Permittee is not required to pay additional Sewer Availability Charge (SAC) units at this time. Future increases in wastewater volume discharge to the Metropolitan Disposal System will be subject to SAC Payment requirements.
2. The Permittee is responsible for taking accurate and complete hourly water meter readings during all MCES and self-monitoring projects.
3. In the event of a spill or an emergency bypass from the swine and/or dairy aeration tank(s) at the Animal Waste Treatment Facility, a representative sample shall be collected and analyzed for the parameters listed in Section B.2. of this Permit. The analytical results shall be submitted, with the recorded volume of the spill on the next annual monitoring report.

See General Permit Condition #4 for instructions on reporting spills.

4. The two daily composite samples from each sampling point shall be preserved and stored for 30 days following sample collection. If analytical results of the total facility composite sample indicate a violation of the Discharge Limits, then the two sampling point composite samples shall be analyzed in order to determine which building contributed to the violation.

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Attachment A

Sampling Requirements from Section B.2.

Sampling Location: SP-04 - Physically combined composite sample of SP-01 and SP-02

Analytical Method (1)	Analyte Description	Minimum Sample Collection Frequency (2)
EPA 150.1	pH	One Sample Per Year
EPA 160.2	Total Suspended Solids	One Sample Per Year
EPA 410.4	Chemical Oxygen Demand	One Sample Per Year
EPA 200.7	Total Metals <i>Copper</i> <i>Zinc</i>	One Sample Per Year

(1) All samples shall be collected, preserved and analyzed in accordance with the procedures and methods established above and / or in 40 Code of Federal Regulations Part 136 and amendments.

(2) Sampling and/or analysis is not required during reporting periods when there is no discharge to the MDS .