



INDUSTRIAL LAUNDERERS - SIC: 7218

HOW IT RELATES TO...

40 CFR PART 403

DEAN WOEHL, INDUSTRIAL PRETREATMENT TECHNICIAN

CITY OF BISMARCK, BISMARCK NORTH DAKOTA

R8PA CONFERENCE OCTOBER 2021 CHEYENNE WY

OBJECTIVE

- NOT ALL SIGNIFICANT INDUSTRIAL USERS (SIU) ARE CREATED EQUAL.
- MY GOAL IS TO PRESENT THE LOGIC THE WE USE ON THIS SIU AS AN EXAMPLE HOW YOUR PROGRAM LOOKS AT OTHER SIU'S.

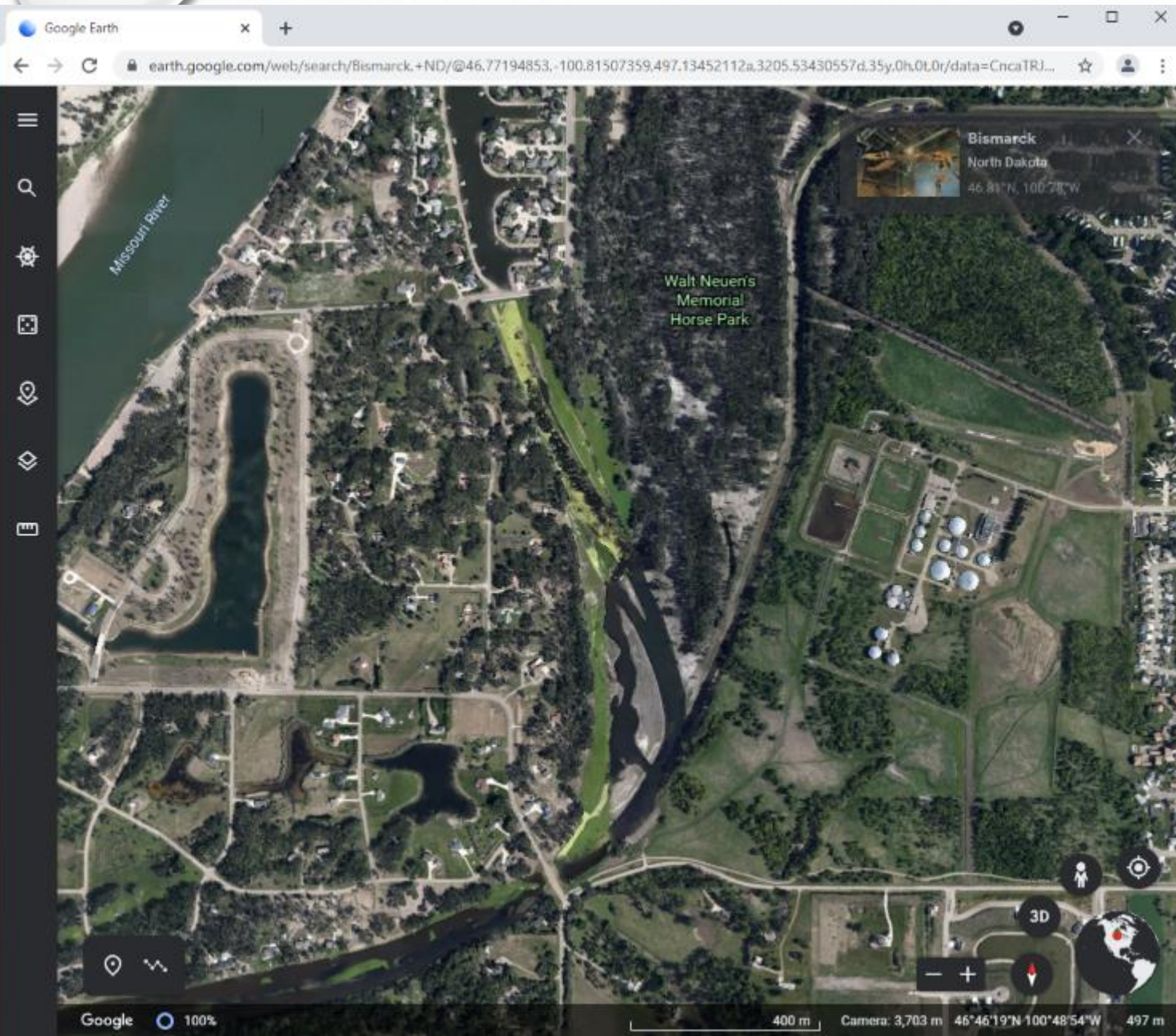
A SLIDE FROM AL GARCIA'S PRESENTATION

Definitions

Act	Water Management Division Director	NPDES Permit	Pretreatment Requirements
Approval Authority	Indirect Discharge	NPDES State	Regional Administrator
Approved POTW Pretreatment Program	Industrial User	Pass Through	Significant Industrial User
Best Management Practice(BMP)	Interference	Publicly Owned Treatment Works(POTW)	Submission
Control Authority	National Pretreatment Standard	POTW Treatment Plant	40 CFR 403.3
Director	New Source	Pretreatment	

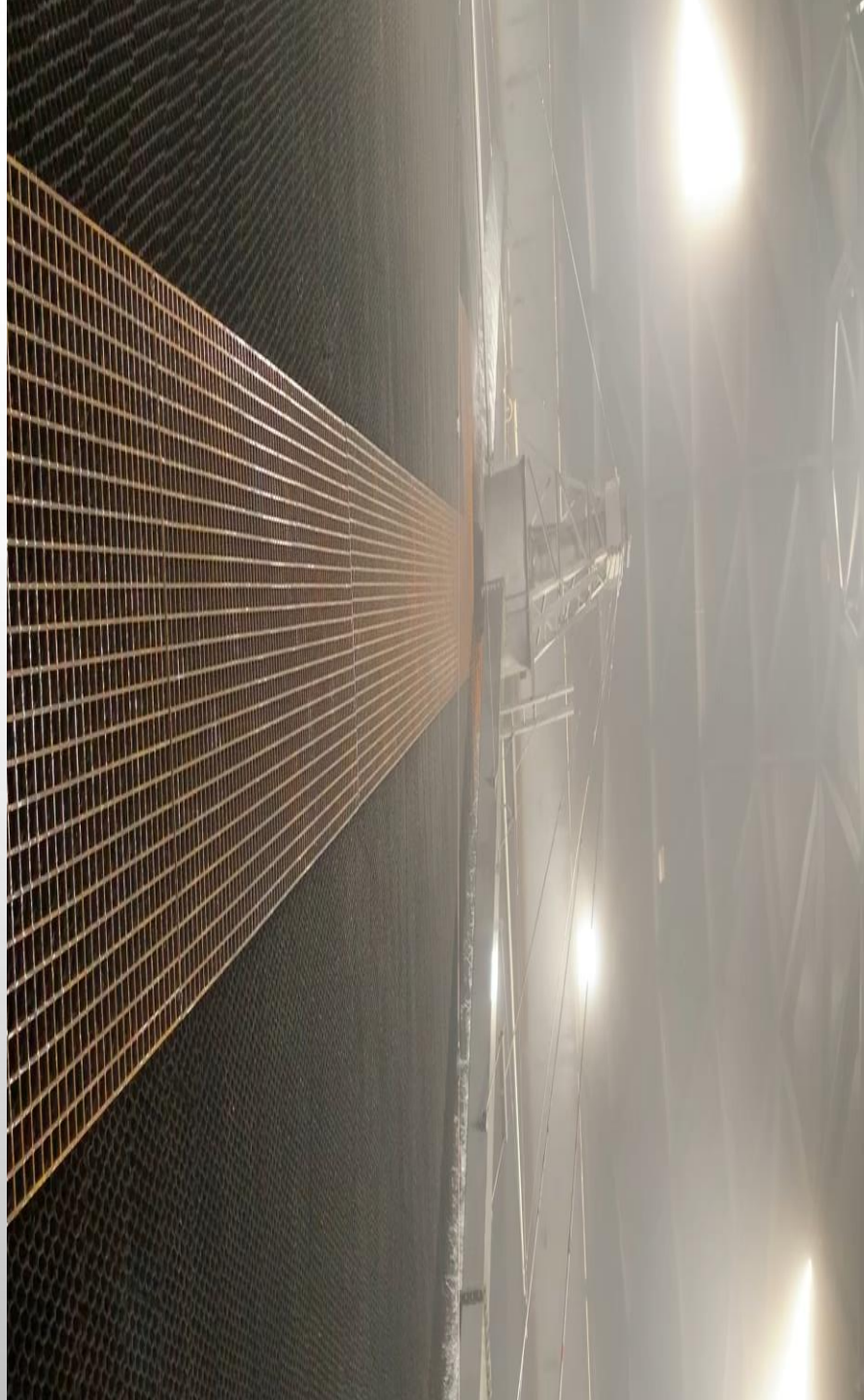
DISCLAIMER AND OTHER INFORMATION

- WE HAVE BEEN MONITORING THIS SIU SINCE THE BEGINNING OF TIME (JANUARY 1991)
- THE SIU HAS ALWAYS BEEN COOPERATIVE, AT ONE POINT THE LOCAL REPRESENTATIVES ASKED FOR NOV
- INDUSTRY WAS HESITANT TO BE USED AS EXAMPLE IN PRESENTATION, I HAVE MADE EFFORTS TO CONCEAL THEIR NAME, AND NO USE PICTURES OF STAFF WHEN POSSIBLE
- BILL GEFROH HAS WAY MORE KNOWLEDGE (HE MAY HAVE INPUT)

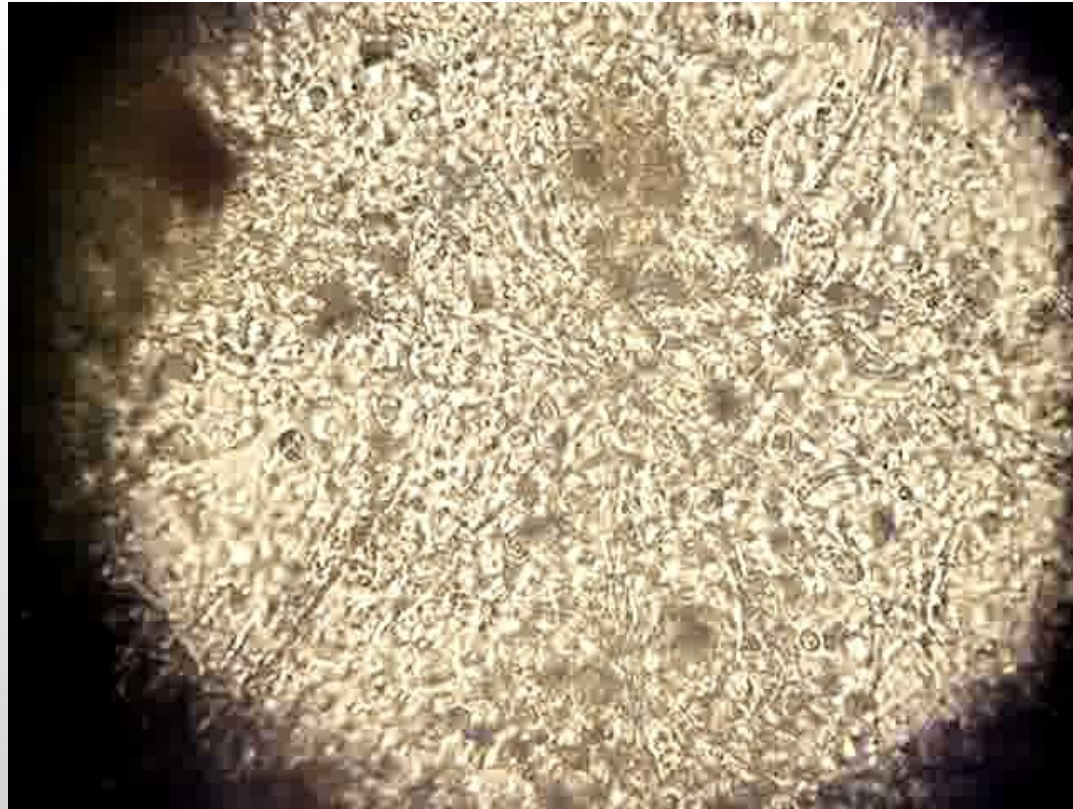


BISMARCK WASTEWATER TREATMENT PLANT

BISMARCK WWTP	PERMIT # ND0023434
Design Capacity	9.3 MGD avg annual
Average Flow	6.5 MGD
TSS Loading ~ 325 ppm	~18,000 pound/day
CBOD Loading ~ 275 ppm	~ 15,000 pound/day
BIOSOLIDS	LAND APPLIED



TRICKLING FILTER BACTERIA



CITY ORDNANCE

[HTTPS://ND-BISMARCK2.CIVICPLUS.COM/DOCUMENTCENTER/VIEW/159/TITLE-111---
PRETREATMENT-PROGRAM?BIDID=](https://nd-bismarck2.civicplus.com/documentcenter/view/159/title-111---pretreatment-program?bidid=)

TITLE 11.1

PRETREATMENT PROGRAM

Table of Contents

CHAPTER 11.1-01.	GENERAL PROVISIONS.....	2
11.1-01-01.	Purpose and Policy.....	2
11.1-01-02.	Definitions.....	3
CHAPTER 11.1-02.	BUILDING SEWERS AND CONNECTIONS.....	10
11.1-02-01.	Permit - General.....	10
11.1-02-02.	Permit Application.....	10
11.1-02-03.	Connection Costs.....	10
11.1-02-04.	Connections.....	10
11.1-02-05.	Construction.....	10
11.1-02-06.	Location.....	11
11.1-02-07.	Restrictions.....	11
11.1-02-08.	Building Codes.....	11
11.1-02-09.	Inspection.....	11
11.1-02-10.	Safety and Restoration.....	11
CHAPTER 11.1-03.	REGULATIONS.....	11
11.1-03-01.	Prohibitions.....	11
11.1-03-02.	Limitations on Wastewater Strength.....	13
11.1-03-03.	Wrongful Discharge of Waste Into Storm Sewer Watercourse.....	16
CHAPTER 11.1-04.	FATS, OIL AND GREASE CONTROL.....	16
11.1-04-01.	Purpose and Policy.....	16
11.1-04-02.	Administration.....	17
11.1-04-03.	Definitions.....	17
11.1-04-04.	Facilities Required to Remove Grease.....	19
11.1-04-05.	16

PRETREATMENT LIMITS

3. Any wastewater having a pH less than 6.0 or having other corrosive property capable of causing damage or hazard to structures, equipment or personnel of the wastewater disposal system.

12. Any unpolluted water, including but not limited to non-contact cooling water, storm water, subsurface drainage or groundwater.

13. Any wastewater containing fats, wax, grease or oils, including petroleum oil, nonbiodegradable cutting oil, or products of

(a) Disposed in such manner as to

(b) Overload handling equipment

(c) Are not provided therefore pre-treatment facilities to treatment; or

(d) Have not been treated the treatment

to achieve compliance with the limitations contained herein, contained in the Federal Pretreatment Standards, or contained in any state requirements.

5. Supplementary Limitations: Except as noted in 11.1-03-02.6 no user may discharge wastewater containing materials in excess of the following values:

<u>Material</u>	<u>Concentration</u> <u>mg/l</u>
Benzene _____	0.05
BETX, (Total') _____	0.75
Cadmium _____	0.09
Chromium (Total) _____	4.39
Chromium (VI) _____	4.39

RELEVANT ?



INDUSTRIAL LAUNDERERS - SIC: 7218

HOW IT RELATES TO 40 CFR PART 403.3

SIGNIFICANT INDUSTRIAL USERS

Subscribe

Share

Published Edition

Display Options

Print

Developer Tools

(u) The term *Regional Administrator* means the appropriate EPA Regional Administrator.

(v) *Significant Industrial User.*

- (1) Except as provided in paragraphs (v)(2) and (v)(3) of this section, the term Significant Industrial User means:
 - (i) All Industrial Users subject to Categorical Pretreatment Standards under [40 CFR 403.6](#) and [40 CFR chapter I](#), subchapter N; and
 - (ii) Any other Industrial User that: discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling and boiler blowdown wastewater); contributes a process wastestream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW Treatment plant; or is designated as such by the Control Authority on the basis that the Industrial User has a reasonable potential for adversely affecting the POTW's operation or for violating any Pretreatment Standard or requirement (in accordance with [40 CFR 403.8\(f\)\(6\)](#)).
- (2) The Control Authority may determine that an Industrial User subject to categorical Pretreatment Standards under [§ 403.6](#) and [40 CFR chapter I](#), subchapter N is a Non-Significant Categorical Industrial User rather than a Significant Industrial User on a finding that the Industrial User never discharges more than 100 gallons per day (gpd) of total categorical wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater, unless specifically included in the Pretreatment Standard) and the following conditions are met:
 - (i) The Industrial User, prior to the Control Authority's finding, has consistently complied with all applicable categorical Pretreatment Standards and Requirements;
 - (ii) The Industrial User annually submits the certification statement required in [§ 403.12\(q\)](#)

INDUSTRIAL LAUNDERERS - SIC: 7218

HOW IT RELATES TO 40 CFR PART 403.5

Title 40 / Chapter I / Subchapter N / Part 403 / § 403.5

Table of Contents

Timeline

Go to Date

Compare Dates

Search

Subscribe

Share

Published Edition

Display Options

Print

Developer Tools

- (2) Pollutants which will cause corrosive structural damage to the POTW, but in no case Discharges with pH lower than 5.0, unless the works is specifically designed to accommodate such Discharges;
- (3) Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in Interference;
- (4) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause Interference with the POTW.
- (5) Heat in amounts which will inhibit biological activity in the POTW resulting in Interference, but in no case heat in such quantities that the temperature at the POTW Treatment Plant exceeds 40 °C (104 °F) unless the Approval Authority, upon request of the POTW, approves alternate temperature limits.
- (6) Petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through;
- (7) Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;
- (8) Any trucked or hauled pollutants, except at discharge points designated by the POTW.

(c) ***When specific limits must be developed by POTW.***

- (1) Each POTW developing a POTW Pretreatment Program pursuant to [§ 403.8](#) shall develop and enforce specific limits to implement the prohibitions listed in [paragraphs \(a\)\(1\)](#) and [\(b\)](#) of this section. Each POTW with an approved pretreatment program shall continue to develop these limits as necessary and effectively enforce such limits.
- (2) All other POTW's shall, in cases where pollutants contributed by User(s) result in Interference or Pass-Through, and such violation is likely to recur, develop and enforce specific effluent limits for Industrial User(s), and all other users, as appropriate, which, together with appropriate changes in the POTW Treatment Plant's facilities or operation, are necessary to

INDUSTRIAL LAUNDERERS - SIC: 7218

HOW IT RELATES TO 40 CFR PART 403.8

INDUSTRIAL WASTE SURVEY

Share

Published Edition

Display Options

Print

Developer Tools

40 CFR 403.8(f)(5)(iii)

[Copy Citation](#)
[Copy URL](#)

Identify (by title) the official(s) responsible for each type of response;

Adequately reflect the POTW's primary responsibility to enforce all applicable pretreatment requirements and standards, as detailed in [40 CFR 403.8 \(f\)\(1\)](#) and [\(f\)\(2\)](#).

- (6) The POTW shall prepare and maintain a list of its Industrial Users meeting the criteria in [§ 403.3\(v\)\(1\)](#). The list shall identify the criteria in [§ 403.3\(v\)\(1\)](#) applicable to each Industrial User and, where applicable, shall also indicate whether the POTW has made a determination pursuant to [§ 403.3\(v\)\(2\)](#) that such Industrial User should not be considered a Significant Industrial User. The initial list shall be submitted to the Approval Authority pursuant to [§ 403.9](#) or as a non-substantial modification pursuant to [§ 403.18\(d\)](#). Modifications to the list shall be submitted to the Approval Authority pursuant to [§ 403.12\(i\)\(1\)](#).

- (g) A POTW that chooses to receive electronic documents must satisfy the requirements of [40 CFR part 3](#) - (Electronic reporting).

[46 FR 9439, Jan. 28, 1981, as amended at 49 FR 31224, Aug. 3, 1984; 51 FR 20429, 20430, June 4, 1986; 51 FR 22750, July 1, 1986; 53 FR 40610, Oct. 17, 1988; 55 FR 20100, July 24, 1990; 58 FR 12017, Apr. 7, 1993; 59 FR 12017, Apr. 7, 1994; 60 FR 12017, Apr. 7, 1995; 61 FR 12017, Apr. 7, 1996; 62 FR 12017, Apr. 7, 1997; 63 FR 12017, Apr. 7, 1998; 64 FR 12017, Apr. 7, 1999; 65 FR 12017, Apr. 7, 2000; 66 FR 12017, Apr. 7, 2001; 67 FR 12017, Apr. 7, 2002; 68 FR 12017, Apr. 7, 2003; 69 FR 12017, Apr. 7, 2004; 70 FR 12017, Apr. 7, 2005; 71 FR 12017, Apr. 7, 2006; 72 FR 12017, Apr. 7, 2007; 73 FR 12017, Apr. 7, 2008; 74 FR 12017, Apr. 7, 2009; 75 FR 12017, Apr. 7, 2010; 76 FR 12017, Apr. 7, 2011; 77 FR 12017, Apr. 7, 2012; 78 FR 12017, Apr. 7, 2013; 79 FR 12017, Apr. 7, 2014; 80 FR 12017, Apr. 7, 2015; 81 FR 12017, Apr. 7, 2016; 82 FR 12017, Apr. 7, 2017; 83 FR 12017, Apr. 7, 2018; 84 FR 12017, Apr. 7, 2019; 85 FR 12017, Apr. 7, 2020; 86 FR 12017, Apr. 7, 2021; 87 FR 12017, Apr. 7, 2022; 88 FR 12017, Apr. 7, 2023; 89 FR 12017, Apr. 7, 2024; 90 FR 12017, Apr. 7, 2025]

NAICS DESCRIPTION / NAICS TO SIC CROSSWALK / IWS

NAICS Code Description \ NAICS Association Page 1 of 80

2018FINALIWS.xlsx - Excel Dean Woehl

File Home Insert Page Layout Formulas Data Review View Help Design Tell me what you want to do

Clipboard Font Alignment Number Styles Cells Editing

G44 432 FRAINE BARRACKS RD

Utility Account	Name	AKA-DB	SIC Code 1	SIC Code 2	Field8	Service Address	Billing Address	City	Stat	USE UNITS	Daily Use	M	
316	00056800-000	GARSKE PRODUCE		5431		PRODUCE MARKETS AND STANDS-RETAIL	1341 S 12TH ST	1345 S 12TH ST	BISMARCK	ND	9.00	224	
317	00057000-002	T&M ELECTRIC INC		1731		ELECTRICAL WORK-CONTRACTORS	1321 S 12TH ST	913 SE 52ND ST	BISMARCK	ND	2.00	50	
318	00057500-000	ARC THRIFT SHOP		5932		SECONDHAND CLOTHING AND SHOE STOR	1311 S 12TH ST	1500 E CAPITOL AVE SUITE 203	BISMARCK	ND	3.00	75	
319	00058000-001	THE ARC THRIFT SHOP		5932		SECONDHAND CLOTHING AND SHOE STOR	1211 PARK AVE	1500 E CAPITOL AVE SUITE 203	BISMARCK	ND	5.00	125	
320	00058500-001	SUPER KIDS JR ACADEMY		8351		CHILD DAY CARE SERVICES	1227 PARK AVE	1227 PARK AVE	BISMARCK	ND	38.25	954	
321	00059000-001	TEAM TORQUE INC		8734		CALIBRATION AND CERTIFICATION (TESTIN	1231 PARK AVE	1231 PARK AVE	BISMARCK	ND	8.00	199	
322	00060000-001	DAVID D DICK		1711		PLUMBING AND HEATING-CONTRACTORS	1202 FRONTIER DR	8830 12TH ST SE	BISMARCK	ND	7.50	187	
323	00060510-001	AMERIPRIDE/US ENERGY SERV		7218		LAUNDERERS, INDUSTRIAL	1233 FRONTIER DR UNIT 1	PO BOX 1177	MANDAN	ND	2.25	56	
324	00060550-000	BULLER ENTERPRISES INC	Red River G	1793		GLASS AND GLAZING WORK	1233 FRONTIER DR UNIT 5	841 SAN ANGELO DR	BISMARCK	ND	0.00	0	
325	00060560-006	AMERIPRIDE LINEN & APPAREL SVC		7218		LAUNDERERS, INDUSTRIAL	1233 FRONTIER DR UNIT 6	PO BOX 1177	MANDAN	ND	0.00	0	
326	00061100-000	EXPRESSWAY AMOCO		5541	7542	GASOLINE SERVICE STATIONS	919 S WASHINGTON ST	919 S WASHINGTON ST	BISMARCK	ND	1.25	31	
327	00061110-000	EXPRESSWAY AMOCO CAR WASH		5541	7542	GASOLINE SERVICE STATIONS	919 S WASHINGTON ST	919 S WASHINGTON ST	BISMARCK	ND	566.75	14131	
328	00061200-000			7218		LAUNDERERS, INDUSTRIAL	1238 FRONTIER DR	PO BOX 1177	MANDAN	ND	2610.25	65082	
329	00061220-001	BRIDGESTONE/ECOVA-MS 3173		5531		TIRE (AUTOMOBILE) DEALERS-RETAIL	1303 FRONTIER DR	PO BOX 2440	SPOKANE	WA	1.75	44	
330	00061300-000	HERBERT SCHULER		1521		GENERAL CONTRACTORS-SINGLE-FAMILY H	1333 FRONTIER DR	10051 HWY 10	BISMARCK	ND	3.50	87	
331	00061420-000	COMFORT ZONE HEATING/AIR		1711		PLUMBING AND HEATING-CONTRACTORS	1313 REPUBLIC ST UNIT C	1313 C REPUBLIC ST	BISMARCK	ND	1.00	25	
332	00061430-002	CAMERON FLECK					1313 REPUBLIC ST UNIT A/B	PO BOX 7273	BISMARCK	ND	1.25	31	
333	00061450-000	CLASSIC DRYWALL INC		5211		LUMBER AND OTHER BUILDING MATERIAL	1313 REPUBLIC ST UNIT E	1206 EAGLES VIEW LN	BISMARCK	ND	0.50	12	
334	00061460-006	CRAIG SOSA	VACANT	VACANT		DOORS LOCKED NO SIGNS	1313 REPUBLIC ST UNIT F	2300 46TH AVE SE APT 214	MANDAN	ND	0.00	0	
335	00061460-007	NATHAN DAVIS					1313 REPUBLIC ST UNIT F	231 MARIETTA DR	BISMARCK	ND	0.00	0	
336	00061470-000	PARK AVE BUSINESS COMPLEX		6512		OPERATORS OF NONRESIDENTIAL BUILDIN	1323 REPUBLIC ST UT H	PO BOX 256	BISMARCK	ND	2.00	50	
337	00061500-000	ECON-O-STORAGE BY BERGANS LLLP		4225		GENERAL WAREHOUSING & STORAGE	1343 REPUBLIC ST	1343 REPUBLIC ST	BISMARCK	ND	0.75	19	
338	00062100-001	HARLYN KOPP					1525 PARK AVE	132 MARYLAND ST	BISMARCK	ND	1.00	25	
339	00062200-007	BISMARCK PARK AVE PROP		9631		PUBLIC SERVICE COMMISSIONS, EXCEPT TR	1309 PARK AVE	PO BOX 256	BISMARCK	ND	4.75	118	
340	00062400-000	STRAUBS RENTALS		4226		SPECIAL WAREHOUSING AND STORAGE	1515 PARK AVE	608 S 11TH ST	BISMARCK	ND	4.75	118	
341	00062430-010	ENEXIO US LLC					1535 PARK AVE	17757 US HWY 19 NORTH SUITE 275	CLEAR WATER	FL	6.00	150	
342	00062440-000	ROBERT NORLAND		7991		PHYSICAL FITNESS FACILITIES	1605 PARK AVE	2923 GENTRY CI	BISMARCK	ND	4.25	106	

SIGNIFICANT INDUSTRIAL USER

UTILITY ACCOUNT #	00061 200-000	% OF WWTP
Average Flow	.065 MGD	1 %
TSS Loading (avg) 420 ppm	~228 lb/day	1.26 %
BOD Loading (avg) 725 ppm	~393 lb/day	2.62 %



SIU DISCHARGE PERMIT / LIMITS / REQUIREMENTS

INDUSTRIAL WASTE PERMIT CITY OF BISMARCK, NORTH DAKOTA

Company Name [REDACTED] Inc.
Mailing Address [REDACTED] Bismarck ND 58502
Address Of Premises [REDACTED] five
Telephone Number [REDACTED] Cell Number: [REDACTED] 7
Fax Number [REDACTED]
Name Of Person To Contact [REDACTED] General Manager
Secondary Person To Contact [REDACTED] [REDACTED] eer,
Secondary Person Cell [REDACTED]

AUTHORIZATION TO DISCHARGE TO THE BISMARCK SEWER SYSTEM

[REDACTED] Inc. is hereby authorized to discharge from [REDACTED] through the outfalls identified herein to the Bismarck sewer system in accordance with all terms and conditions of Chapter 11.1 of the Bismarck City Ordinance and this permit, both governing the use of the public sewer.

This permit is also granted in accordance with the application filed on July 5, 2019, and in conformity with plans, specifications, and other data submitted to the City, all of which are filed with and considered a part of this permit. Compliance with this permit does not relieve the permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under Local, State, and Federal laws, including any such regulations, standards or requirements, that may become effective during the term of this permit.

Effective this 1st day of October, 2019

Expires on the 30th day of September, 2024

Michelle Klose Date: 8/14/19
Michelle Klose
Director of Utility Operations


2. Wastewater discharged into the sanitary sewer system shall not have concentration greater than that listed for the substances below.

Pollutant	Daily Maximum Concentration
Cadmium	0.09 mg/l
Copper	2.50 mg/l
Lead	0.94 mg/l
Zinc	7.93 mg/l
Nonylphenol ethoxylates	10 pounds per day usage

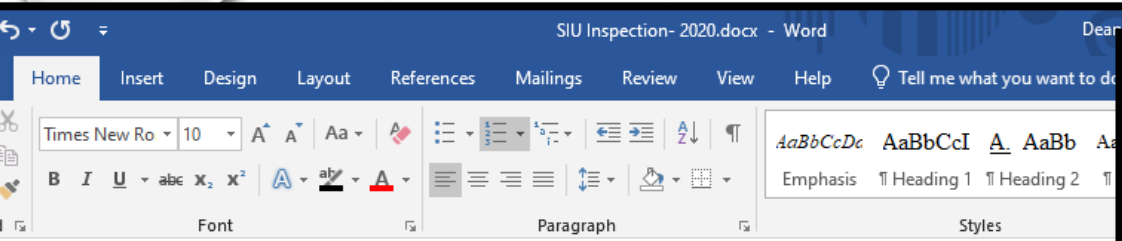
3. The following wastes are prohibited and shall not be discharged into the City's sanitary sewer system:
- Any pollutants which create a fire or explosion hazard in the sewer system or wastewater treatment facilities, including, but not limited to, wastestreams with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21.
 - Solid or viscous substances which will or may cause obstruction to the flow in a sewer or other interference with the operation of the wastewater system.
 - Any wastewater having a pH less than 6.0 or having other corrosive property capable of causing damage or hazard to structures, equipment, or personnel of the wastewater disposal system.
 - Any wastewater containing toxic pollutants in sufficient quantity, either singly or by interaction to injure or interfere with any wastewater treatment process, constitute a hazard to humans or animals, or create a toxic effect in the receiving waters of the wastewater disposal system. A toxic pollutant shall include but not be limited to any pollutant identified pursuant to Section 307(a) of the Act.
 - Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by applicable state or federal regulations.
 - Pollutants which result in the presence of toxic gases, vapors or fumes in the wastewater facilities that may cause a public nuisance, hazard to life or cause acute health and safety problems for workers.
 - Any substance which may cause the wastewater disposal system's effluent or any other product of the wastewater treatment process such as residues, sludges or scums, to be unsuitable for reclamation and reuse or to interfere with the reclamation process. In no case shall a substance discharged to the wastewater disposal system cause the system to be in noncompliance with sludge use or disposal criteria, guidelines or regulation developed under Section 405 of the Act, or any criteria, guidelines, or regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Clean Air Act, the Toxic Substance Control Act or State Standards applicable to the sludge management method being used.
 - Any substance, which will cause the wastewater disposal system to violate its National Pollution Discharge Elimination System (NPDES) and/or other, State Disposal System Permits.



THINGS TO CONSIDER FROM THIS SIC AS IT RELATES TO THE SANITARY SERVER

- WHAT ACTIVITY DO THEY DO?
 - WHAT ARE THEY WASHING?
 - WHAT CHEMICALS DO THEY USE?
 - HOW DO THEY TREAT THE DISCHARGE?
 - WHAT ARE THE RESULTS OF DISCHARGE TESTING?
- 

INSPECTION ITEMS / PROCESS / CHEMICAL INVENTORY



3. Determine location of all sanitary sewer lines and connection point (s) to City mains. A six line on the southeast corner of the building enters the city sewer main on Frontier Dr.

4. Locate storm drain discharge points and/or other drainage areas. The surface runoff is from and the parking area.

C. MANUFACTURING OR SERVICING PROCESS

1. Describe process employed. Note production and schedules of operation for each process: a large commercial laundry facility that launders: uniforms, floor mats, towels, sheets, pillow garments, shop coats, oil field fire resistant material (2000 lb./day) and lab scrubs. Process 62,000 lb./day in 2019, (68,000 lb./day in 2018), (67,000 lb./day in 2017, 16, 15 and 14), (6 lb./day in 2013), (52,000 lb./day in 2012) about 60% of process is from floor mats. I.U. has washing devices: 5-900 lb., 1-675 lb., 1-450 lb., 1-130 lb. and 1-110 lb. The large washer are used mainly for their floor mats. They wash ~ 300 loads per week. Each load consists of cycle and two rinse cycles. I.U. has six dryers; 1-130 lbs., 1-600 lb., 4-450 lbs. They have release steam tunnels. The tunnels are ~30 foot and are chain driven. The dryers run at 29 dryers and steam tunnels are vented from the building through the roof.

2. Determine rates of process water consumption and discharge. Daily water usage data - [2042249], [2019- 48,134], [2018- 62480], [2017 - 60,356], and [2016 - 57,123] daily average

3. Check for available sampling points of individual process wastewater discharges. Sampling performed from individual washers.

containers and double walled containers. Bulk containers of Sodium Hydroxide and Detergent are kept away from drains.

Chemical	Supplier	Quantity on Hand	Constituents	Quantity/unit used?	Use
ADVACARE DISINFECTANT	ECOLAB 984484-42		Acetic acid 64-19-7 30 - 60 Peroxyacetic acid 79-21-0 15.2 Hydrogen peroxide 7722-84-1 11.2	50 gallon/month	Disinfectant
AQUA MOP	ECOLAB 914008	1-55 gallon	Methyl tallow-diethylenetriamine methosulfate, ethoxylated 68410-69-5 5 - 10 Propylene glycol 57-55-6 1 - 5	10 gallon/month	Mop treatment Laundry softener
BLEACH	ECOLAB	1-160 gallon + 300 gallon	12% Sodium hypochlorite	200 gallon/month	
DYES		2-50 lb	blue, orange	As needed	
HYDREX H68		2 + 1-55 gallon	Hydraulic oil		Used to lubricate washing machines
OXALIC ACID	ECOLAB 975383	VARIABLES	Chemical name CAS-No. Concentration (%) ethanedioic acid, dihydrate 6153-56-6 60 - 100		Cleaning product
PARA FLEX HT 15	MVP Froehlich	1-55 gallon	Petroleum distillate	As needed	Mop oil after washing treatment
PURE CLEAN DETERGENT	ECOLAB 914068-04	5 + 1 55 gallon	alcohols, c12-16, ethoxylated 68551-12-2 30 - 60 benzenesulfonic acid, dodecyl-, compl. with 2-aminoethanol (1:1) 26836-07-7 10 - 30 2-methylpentane-2,4-diol 107-41-5 10 - 30 Sodium poly(oxyethylene) dodecyl ether sulfate 68585-34-2 1 - 5	230 gallon/month	Laundry detergent
TEXSTAT II	ECOLAB	1-30 gallon	2-octyl-2H-isothiazol-3-one CAS # 26530-20-1 5-10%	5 gallon/year Used Apr- Nov	Anti-mold after wash treatment
TURBOLIZER	ECOLAB 972745-02	1+1-55 gallon	fluorosilicic acid 16961-83-4 10 - 30 hydrochloric acid 7647-01-0 2.5 hydrogen fluoride 7664-39-3 0.5	30 gallon/month	Sour lower pH
TURBOTEX	ECOLAB 911057-01	1+1-55 gallon	SODIUM THIOSULFATE CAS 7772-98-7 15 - 40 %	11 gallon/month	De-chlorination
PERFORMANCE XXL ALKALI	ECOLAB 913989-05	2100 gallon bulk container	Sodium hydroxide 1310-73-2 30 - 60	400 gallons/month	Mixed with detergent
PERFORMANCE XXL BOOSTER	ECOLAB 916229-02	VARIABLES	Sodium silicate 1344-09-8 10 - 30 Sodium hydroxide 1310-73-2 5 - 10	75 gallon/month	
PERFORMANCE XXL DETERGENT	ECOLAB 917640-01	1200 gallon bulk container	alcohols, c12-16, ethoxylated 68551-12-2 30 - 60 Oxirane, 2-methyl-, polymer with oxirane, mono(2-propylthepyl) ether 166736-08-9 10 - 30 Dipropylene glycol 34590-94-8 10 - 30	75 gallon/month	detergent
PERFORMANCE XXL SOUR	ECOLAB 951285-06	VARIABLES	Dipropylene glycol 34590-94-8 10 - 30 fluorosilicic acid 16961-83-4 10 - 30 hydrochloric acid 7647-01-0 1 - 5	20 gallon/month	
Formula 1123	GARRETT CALLAHAN	1-55gallon	NaOH 40% 1-Hydroxyethylidene-1, 1-Diphosphonic Acid CAS 2809-21-4 < 5%	30 gallon/month	Boiler scale control
Formula 159	GARRETT CALLAHAN	1-55gallon	Na Bisulfite K Sulfite	30 gallon/month	Oxygen Scavenger
			Boiler chemicals to change in Feb 2020		
NALCO®BC1011	NALCO	TBD	Sodium Bisulfite 7631-90-5 1 - 5		O2 Scavenger
NexGuard™ 22310	NALCO	TBD	Ingredients not listed		
NALCO® 356	NALCO	TBD	Cyclohexylamine 108-91-8 10 - 30 Morpholine 110-91-8 10 - 30		

Note: [REDACTED] uses no NPE products and utilizes spill containment.

SAFETY DATA SHEET

AQUA MOP

Section 1. Chemical product and company identification

Product name : AQUA MOP
Recommended use and restrictions : Laundry softener

Use only for the purpose on the product label.

Supplier's information : Ecolab Inc. Textile Care Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-553-8683
Code : 914008

SAFETY DATA SHEET

ADVACARE DISINFECTANT

Acute inhalation toxicity : Peroxyacetic acid
4 h LC50 Rat: 4.080 mg/l
Test atmosphere: dust/mist

Ingredients

Acute dermal toxicity : Acetic acid
LD50 Rabbit: 1,060 mg/kg

Peroxyacetic acid
LD50 Rat: 1,012 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : 96 h LC50: 10.3 mg/l
Toxicity to daphnia and other aquatic invertebrates : 48 h LC50 Daphnia magna (Water flea): 4.36 mg/l
Toxicity to algae : No data available
Ingredients
Toxicity to algae : Acetic acid
72 h EC50 Skeletonema costatum (marine diatom): 1,000 mg/l
Peroxyacetic acid
72 h EC50: 0.7 mg/l
Hydrogen peroxide
72 h EC50: 1.38 mg/l

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

SAFETY DATA SHEET

TEX STAT II

or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.
Storage: Store locked up.
Disposal: Dispose of contents/ container to an approved waste disposal plant.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

SAFETY DATA SHEET

TEX STAT II

Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : Very toxic to aquatic life with long lasting effects.

Product

Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components

Toxicity to fish : Propylene glycol
96 h LC50: > 10,000 mg/l
2-n-Octyl-4-isothiazolin-3-one
96 h LC50 Oncorhynchus mykiss (rainbow trout): 0.047 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : Propylene glycol
48 h EC50: 18,340 mg/l

Components

Toxicity to algae : Propylene glycol
96 h EC50: 19,000 mg/l

Persistence and degradability

Not applicable - Biocide

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to

Section 10. Stability and reactivity

Product AS SOLD : The product is stable.
Stability : The product is stable.
Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions reactions
Conditions to avoid : No specific data.
Materials to avoid : Slightly reactive or incompatible with the following materials: organic
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

AQUA MOP

Section 11. Toxicological information

Route of exposure : Skin contact, Eye contact, Inhalation, Ingestion
Product AS SOLD

Symptoms

Eye contact : No specific data.
Skin contact : No specific data.
Inhalation : No specific data.
Ingestion : No specific data.

Acute toxicity

Eye contact : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Toxicity data

Product/ingredient name : poly(oxy-1,2-ethanediyl), alpha-[2-[bis(2-aminoethyl)methylammonio]ethyl]-omega-hydroxy-, n,n'- ditallow acyl derivs., me sulfates (salts)
LD50 Oral Rat >15000 mg/kg
2,2'-oxybisethanol : LC50 Inhalation Dusts and mists Rat >4.6 mg/l
LD50 Dermal Rabbit 13300 mg/kg
LD50 Oral Rat 1120 mg/kg

Chronic toxicity

Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD : No known significant effects or critical hazards.
Ecotoxicity : No known significant effects or critical hazards.

Aquatic and terrestrial toxicity

Product/ingredient name : poly(oxy-1,2-ethanediyl), alpha-[2-[bis(2-aminoethyl)methylammonio]ethyl]-omega-hydroxy-, n,n'- ditallow acyl derivs., me sulfates (salts)
Result vs/L : Acute LC50 55 mg/l
Species : Fish ✓
2,2'-oxybisethanol : Acute LC50 75200 mg/l
Species : Fish ✓

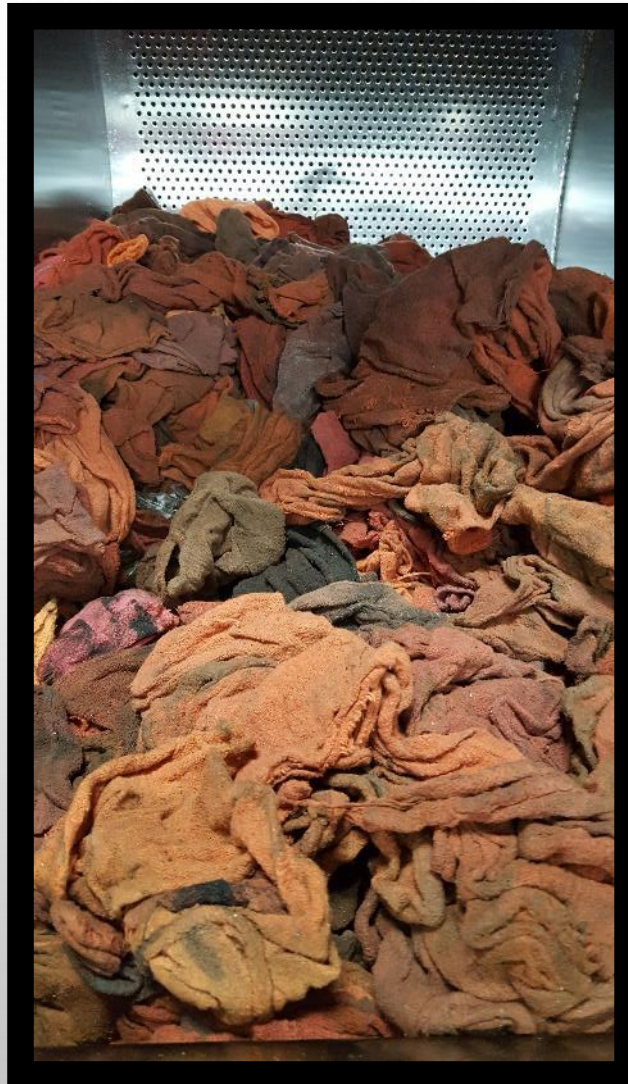


PRODUCTS WASHED

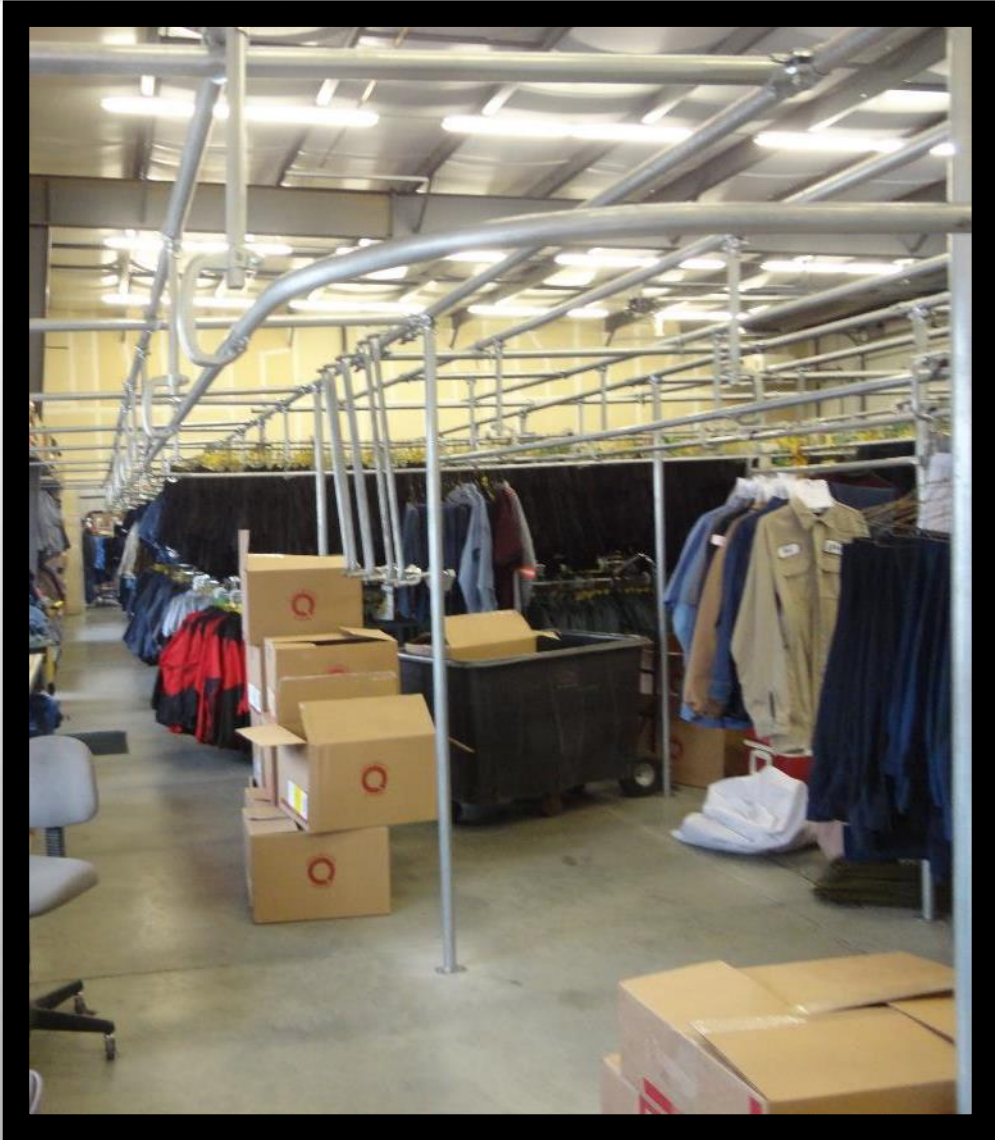


TO REORDER
LEEBAW MFG
800 841 8083

PRODUCTS WASHED



PRODUCTS WASHED



WASHING MACHINES

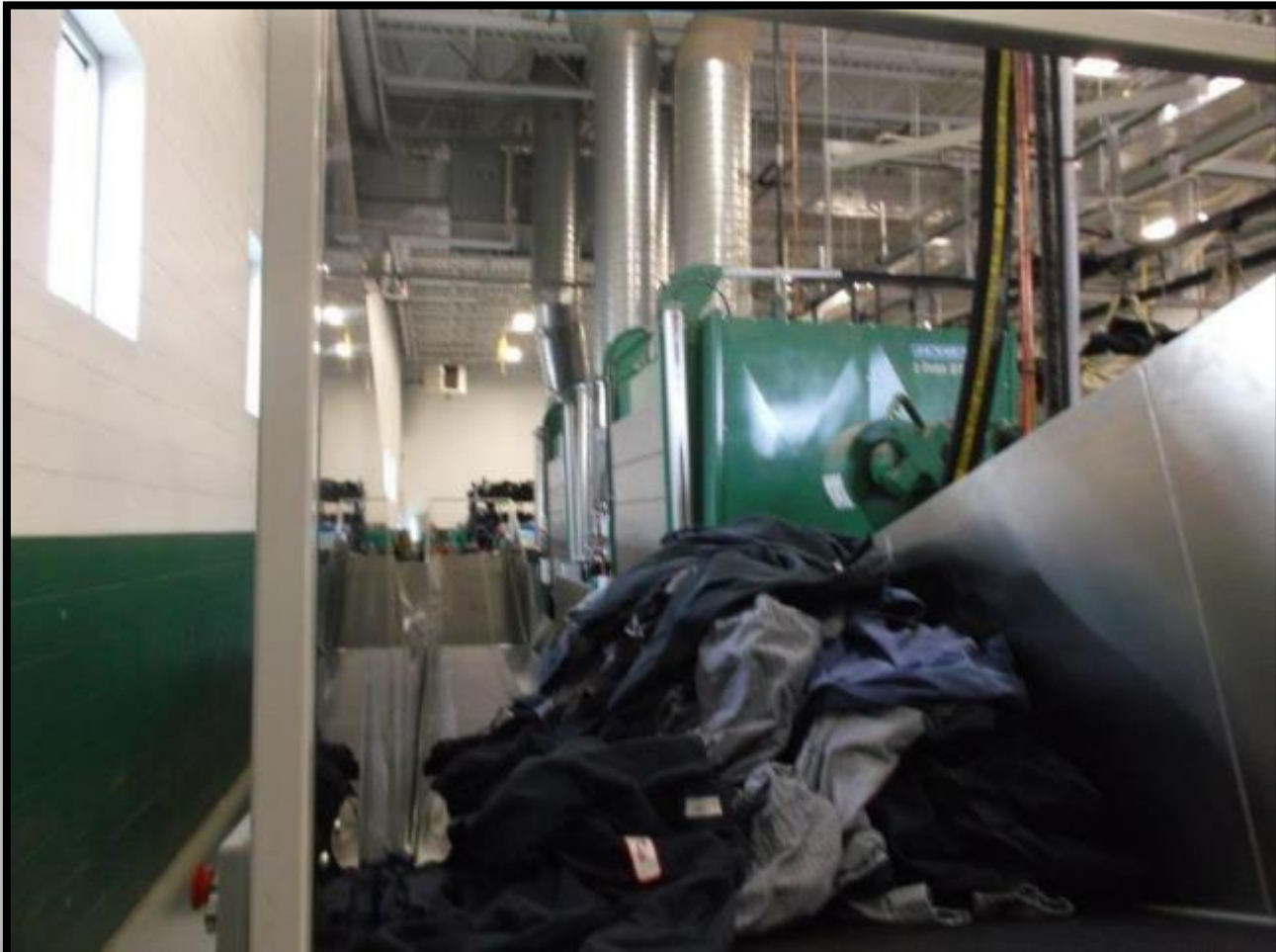




BEHIND WASHING MACHINES



DRIERS



PRESSING AND FOLDING





EXIT

AmenPride Service
- ELLIS Corporation

ELLIS

ELLIS
CORPORATION

0001
98F
00

DANGER
PINCH
POINTS

DANGER





Lot
5

Lot 5

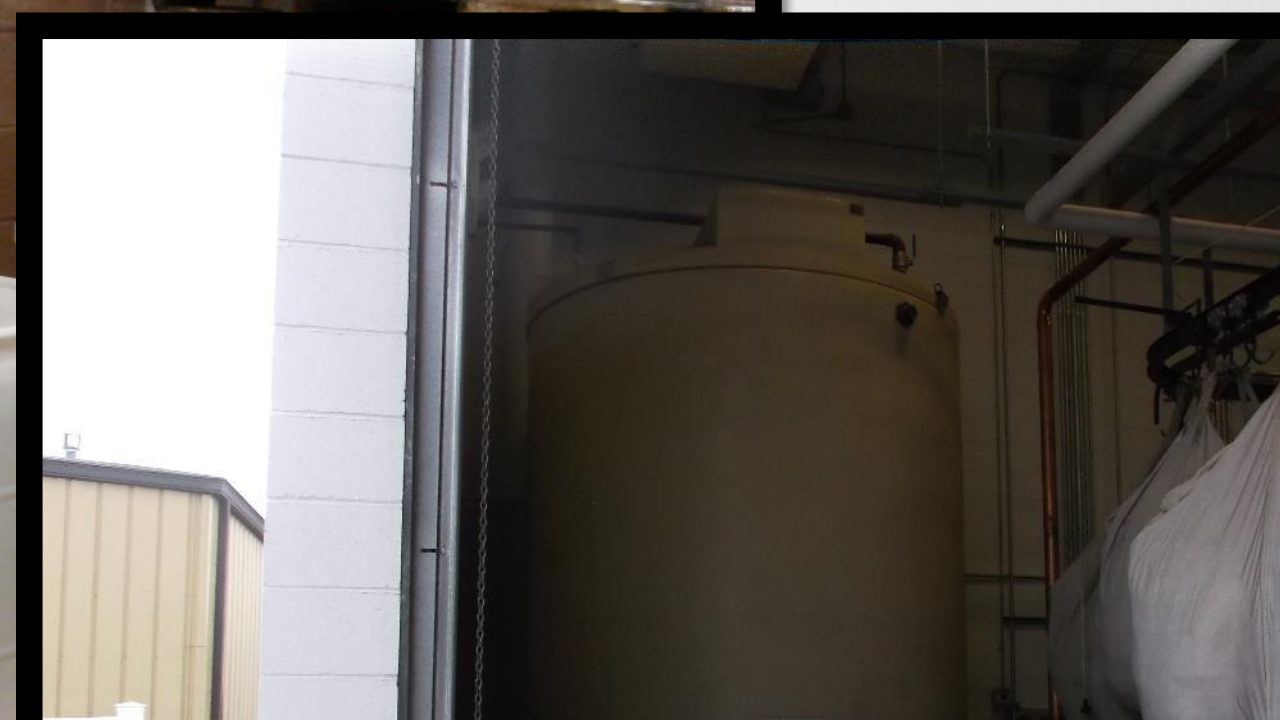
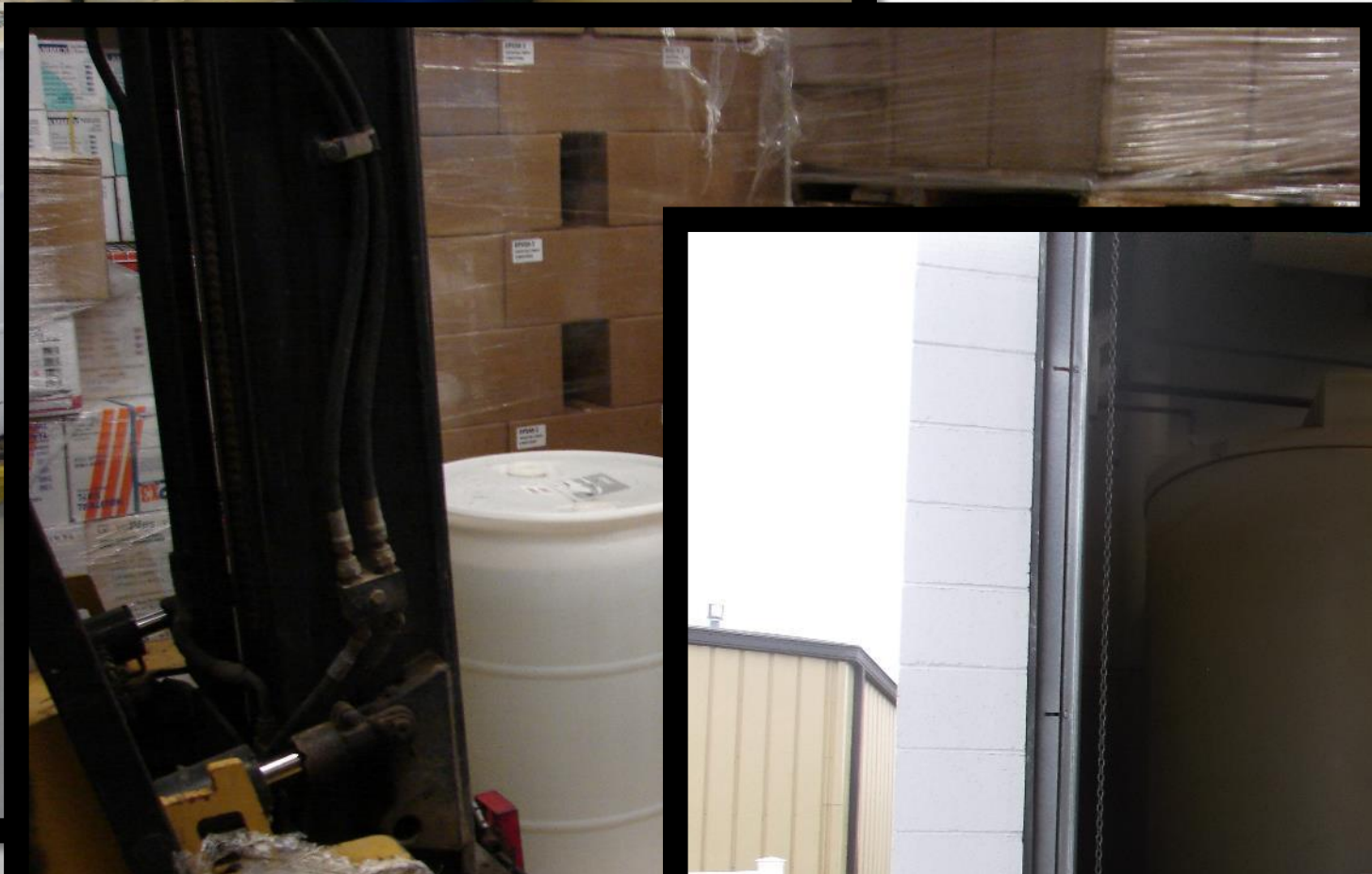
PROHIBIT CLIMB

JENSEN

CHEMICAL INVENTORY



CHEMICAL INVENTORY



TREATMENT DEVICES (OLD)





~ 60,000 gpd

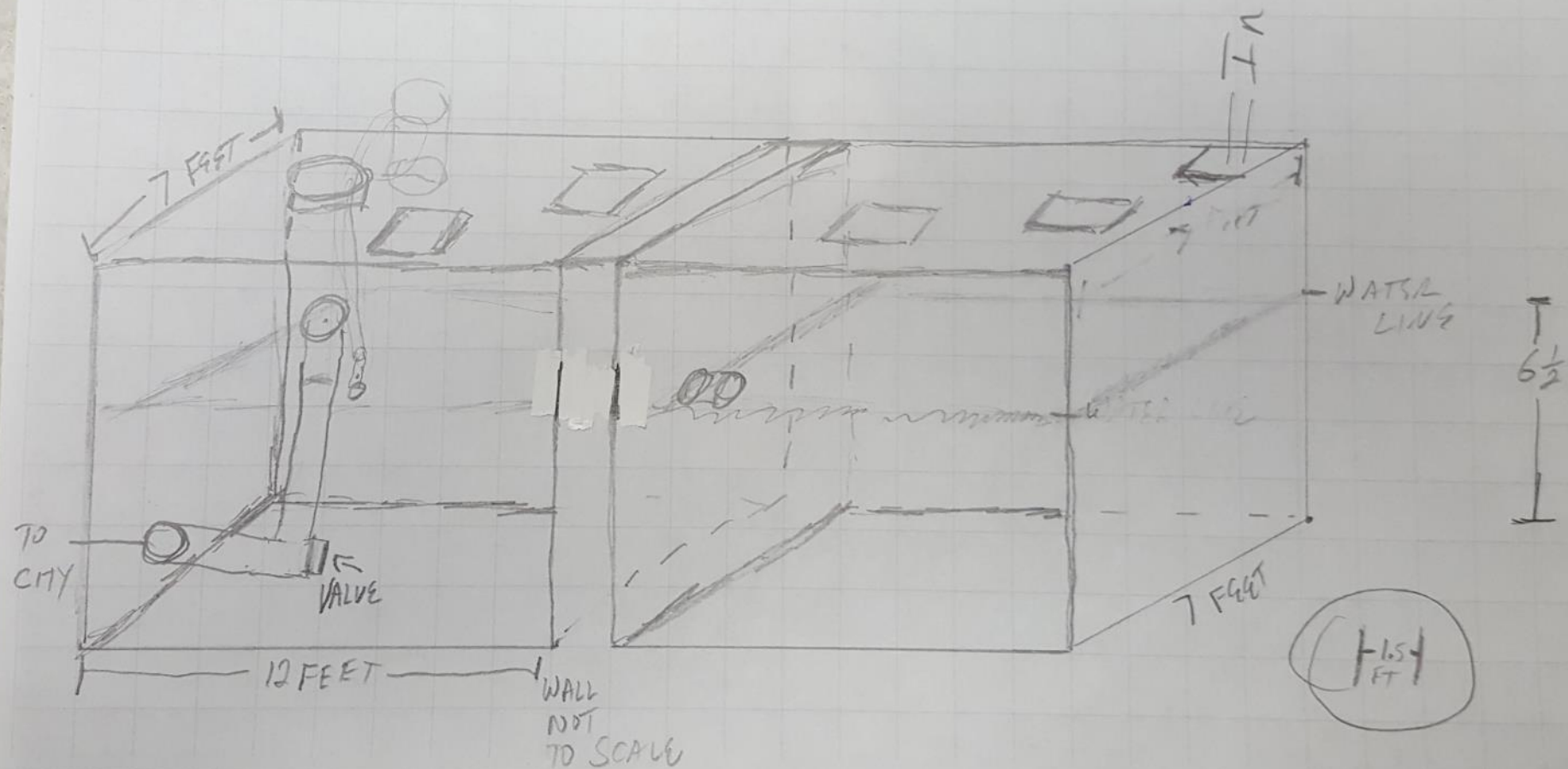
7 FT
12 FT

6 AM → 3 PM = 9 HOURS

$4084 \times 2 = 8169$


$60,000 / 9 \text{ HOURS} \Rightarrow 6,667 \text{ GPD/HOUR}$

8 ALLAYS





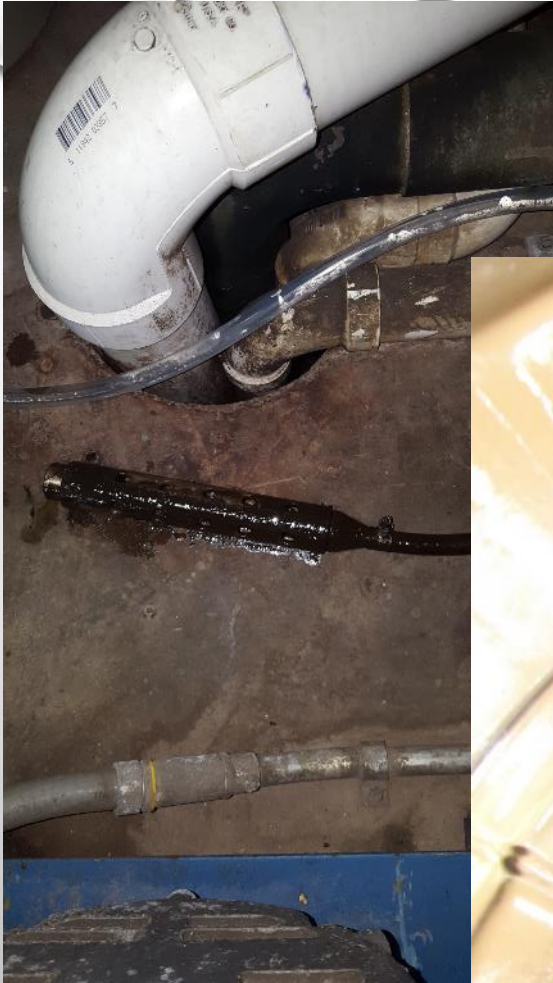
LIST OF ISSUES FROM ANY SIC ANY TOWN USA

- INTERFERENCE/PASS THROUGH OBSTRUCTION
 - NUMERICAL EXCEEDANCE
 - NARRATIVE EXCEEDANCE FAILURE TO SAMPLE
 - LATE REPORT
-
- THIS SIC HAS HAD THESE ISSUES (WE WILL COVER THEM CHRONOLOGY (INCLUDING CORRECTIVE ACTIONS TAKEN))
- 

LIST OF ISSUES FROM THIS SIU

- 1991 – 1992 OIL AND GREASE >200 (BILL G COMMENTS)
- 2003 NPE (BILL G COMMENTS)
- 2007 FAILURE TO SAMPLE (DOCUMENTATION, HOLDING TIME)
- 2009 FAILURE TO SUBMIT REPORT ON TIME (AND 2015)
- 2018 BTEX
- 2020 SOLIDS ACCUMULATION

OIL AND GREASE



Bismarck

Department of Public Works

601 South 26th Street ★ P.O. Box 5503 ★ Bismarck, ND 58506-5503
Phone: 701-222-6431 ★ FAX: 701-221-6840 ★ TDD: 701-221-6848

June 27, 2007

Bismarck ND 58502-2033

The purpose of this letter is to notify you that _____ was in violation of its Industrial Waste Permit. The permit violations are due to failure to sample in the designated month as required in _____ discharge permit and to provide documentation for sample collection.

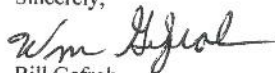
According to _____ discharge permit you are required to follow the sampling requirements that are prescribed in 40 CFR Part 136, which is indicated under Section B Specific Conditions number 5 in the permit. Failure to collect the required samples as prescribed with the proper documentation and adherence to holding times is a violation of your permit. It is your responsibility to see that proper sample documentation is done, which includes the date and time when each sample is collected, who collected them and that the samples are analyzed within the holding time requirements. If a sampling and analysis requirement is not met then it would be mandatory to resample. In addition, the composite sample must be based on the length of daily operation, (eight-hour day) as indicated in Section B.4. _____ may continue to do its own self monitoring if you follow the prescribed sampling requirements and indicate the necessary documentation in the Chain of Custody Record or it is your option to contract this service out.

It is _____'s responsibility to see that their facility stays in compliance with its discharge permit requirements. In order for _____ to stay in compliance with its discharge permit, it will be necessary to sample in May and October every year and to provide the necessary documentation and adhere to the holding time requirement for pH analysis.

Please reply to the City in writing within thirty days after receipt of this letter with an explanation as to the cause of the violations and what action _____ has taken or will be taking to prevent future violations.

If you have any questions, please feel free to call me at 222-6584.

Sincerely,



Bill Gefroh
Industrial Pretreatment Program Manager

cc: Keith Demke, Director of Utility Operations

SAMPLING ISSUE



Department of Public Works
601 South 26th Street ★ P.O. Box 5503 ★ Bismarck, ND 58506-5503

Fax: 701-221-6840 TDD: 711 www.bismarck.org
Public Works: 701-355-1700
Water Billing: 701-355-1732
Forestry: 701-355-1733

REPORTING ISSUE

November 2, 2009

Bismarck ND 58502-2033

Dear

The purpose of this letter is to notify you that you were in violation of its Industrial Waste Permit. The permit violation was due to a failure to provide the Public Works Department, within 30 days after the due date, the May 2009 self-monitoring discharge report. Along with the self-monitoring report, please include a copy of the sampling log when the discharge sampling is performed by personnel and a copy of the lab data from your support lab with each of the self-monitoring reports.

It is your responsibility to comply with the requirements of its discharge permit. To stay in compliance with the discharge permit, all results of the sampling and analysis required by Item No. 4 of Section B of the permit shall be reported to the Public Works Department no later than thirty (30) days after the last day of the month during which the sample was taken.

Please reply in writing within thirty days after receipt of this letter with an explanation as to the cause of the violation and what action was taken or will be taking to prevent future violations.

If you have any questions, please feel free to call me at 222-6584.

Sincerely,

Bill Gefroh
Industrial Pretreatment Program Manager

BTEX



MVTL

MINNESOTA VALLEY TESTING LABORATORIES, INC.
1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

MEMBER ACIL

BTEX

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same as any other sample under all conditions affecting the sample on the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are obtained as the confidential property of clients, and authorization for publication of analytical conclusions or extracts there of requires our written consent.

AN EQUAL OPPORTUNITY EMPLOYER

Page: 1 of 1

Bill Gefroh
City of Bismarck WWTP
PO Box 5503
Bismarck ND 58506

Report Date: 25 Apr 18
Lab Number: 18-D1143
Work Order #: 82-0705
Account #: 002036
Date Sampled: 11 Apr 18 8:37
Date Received: 11 Apr 18 10:40
Sampled By: Client
PO #: CCpayment

Sample Description:

Temp at Receipt: 22.2C ROI

Table with columns: As Received Result, Method RL, Method Reference, Date Analyzed, Analyst. Rows include EPA DRO Extraction, Benzene, Toluene, Ethyl Benzene, Xylenes (Total), GAO (TPH), DRO (TEH).

AAA-TFT SURROGATE RECOVERY: 96 % 2153.6 ppb BTEX

BPB SURROGATE RECOVERY: 104 %
DRO (TEH) sample pattern does not match diesel fuel. Sample pattern characteristic of 2 cycle oil. DRO (TEH) quantified as 2 cycle oil - 4446 ppm. DRO (TEH) surrogate recovery not available due to sample concentration. GAO (TPH) pattern is characteristic of gasoline. All methods used for these analyses are compliant with 40CFR Part 136 or Region 8 EPA approved guidance.

Bismarck Department of Public Works

May 2, 2018

Subject: Written Notice of Violation - BTEX Exceedance

Dear

The purpose of this letter is to give notice that [redacted] was in violation of a Pretreatment Program Ordinance limitation pursuant to City Ordinance 11.1-07-03. The following immediate actions are required:

- 1. [redacted] must immediately cease discharge of wastewater containing materials in excess of 0.75 mg/L BTEX.
2. Within five days, [redacted] must provide written notice of the cause of noncompliance, anticipated time the condition of noncompliance is expected to continue, or if such condition has been corrected, the duration of the period of noncompliance, steps taken to reduce and eliminate the non-complying discharge, and steps to be taken to prevent recurrence of the condition of noncompliance.
3. Within 30 days, [redacted] must develop a written corrective action plan and submit it to the Director of Utility Operations.

The violation was due to a benzene, toluene, ethylbenzene and xylene (BTEX) exceedance. A test result of 2.154 mg/L measured during a monitoring event by the City of Bismarck Industrial Pretreatment Program staff on April 11, 2018. As specified in ordinance, no discharge of wastewater containing in excess of 0.75 mg/L BTEX. BTEX poses a danger to the health or welfare of persons and interference with operations at the wastewater treatment facility. See City's Pretreatment Program Ordinance Title 11.1, specifically sections 11.1-03-02 and 11.1-07.

The City will resample and analyze another sample for BTEX within the next 30 days. If noncompliance will result in the escalation of enforcement action up to suspension of services. If you have any questions about this or the Pretreatment Program in general, please feel free to call me at 355-1763.

MVTL

MINNESOTA VALLEY TESTING LABORATORIES
1126 N. Front St. ~ New Ulm, MN 56073 ~ 800-782-3557 ~ Fax 507-359-2890
2616 E. Broadway Ave. ~ Bismarck, ND 58501 ~ 800-279-6885 ~ Fax 701-258-9724
51 W. Lincoln Way ~ Nevada, IA 50201 ~ 800-362-0855 ~ Fax 515-382-3885

MVTL guarantees the accuracy of the analysis done on the sample submitted for testing. It is not possible for MVTL to guarantee that a test result obtained on a particular sample will be the same as any other sample under all conditions affecting the sample on the same, including sampling by MVTL. As a mutual protection to clients, the public and ourselves, all reports are obtained as the confidential property of clients, and authorization for publication of analytical conclusions or extracts there of requires our written consent.

AN EQUAL OPPORTUNITY EMPLOYER

Page: 1 of 1

PRELIMINARY REPORT

Bill Gefroh
City of Bismarck WWTP
PO Box 5503
Bismarck ND 58506

Report Date: 23 Jun 18
Lab Number: 18-D1143
Work Order #: 82-0705
Account #: 002036
Date Sampled: 29 Apr 18
Date Received: 29 Apr 18
Sampled By: Client
PO #: CCpayment

Sample Description:

Temp at Receipt: 1

Table with columns: As Received Result, Method RL, Method Reference, Date Analyzed. Rows include EPA DRO Extraction, Benzene, Toluene, Ethyl Benzene, Xylenes (Total), GAO (TPH), DRO (TEH).

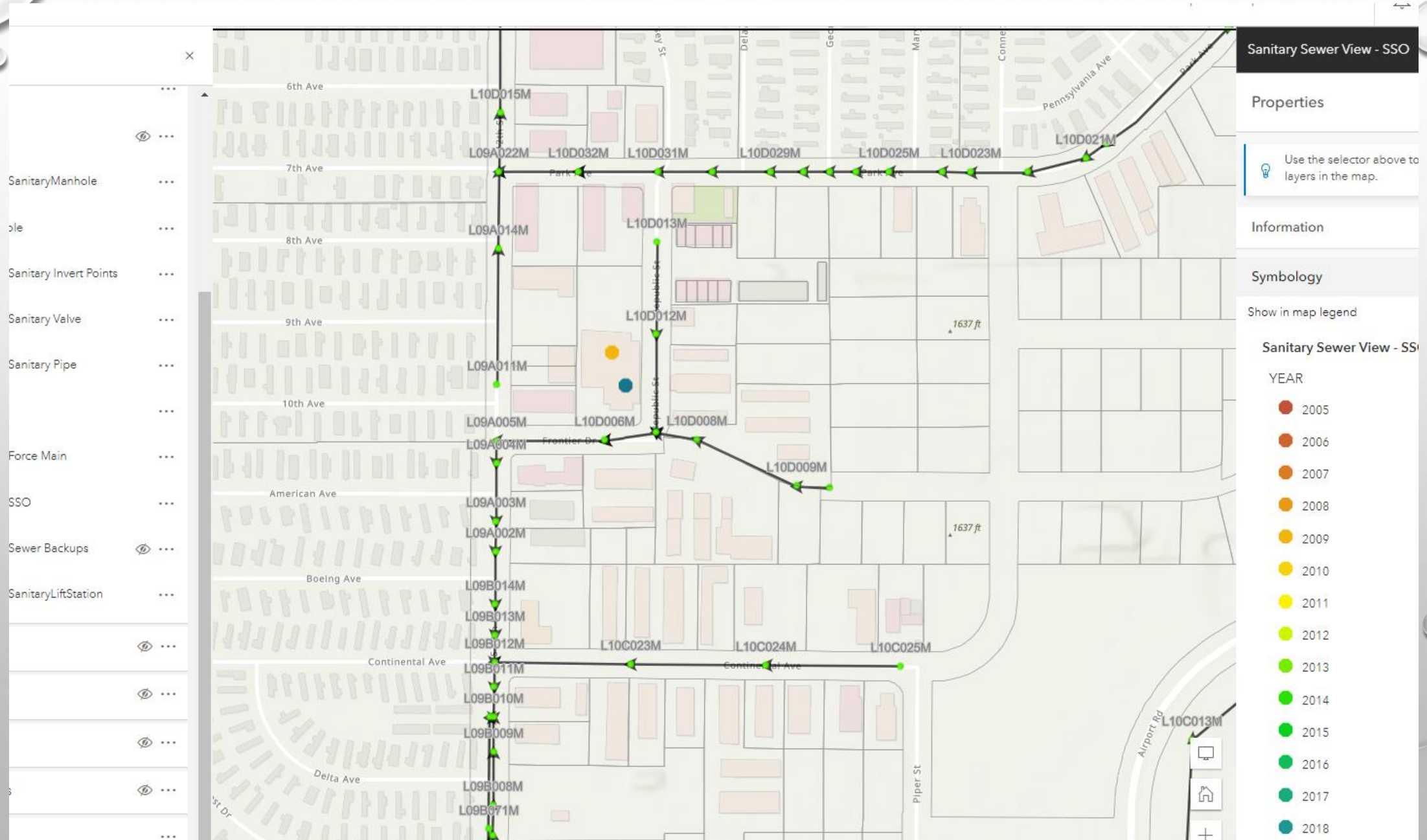
AAA-TFT SURROGATE RECOVERY: 97 %

BPB SURROGATE RECOVERY: 102 %

For questions about organic analyses results please contact our New Ulm organics laboratory at 1-800-782-3557. Organic analyses are performed in the New Ulm Laboratory of MVTL; Minnesota Department of Health laboratory certification number is 027-015-125; North Dakota Department of Health laboratory certification number is R-040. Analyses performed by EPA Method 802 and 8021, glycol analyses, light hydrocarbons (methane, ethane, ethylene and propane) or residual hexane are not covered under these certification scopes.

All methods used for these analyses are compliant with 40CFR Part 136 or Region 8 EPA approved guidance.

OBSTRUCTION



Sanitary Sewer View - SSO

Properties

Use the selector above to layers in the map.

Information

Symbology

Show in map legend

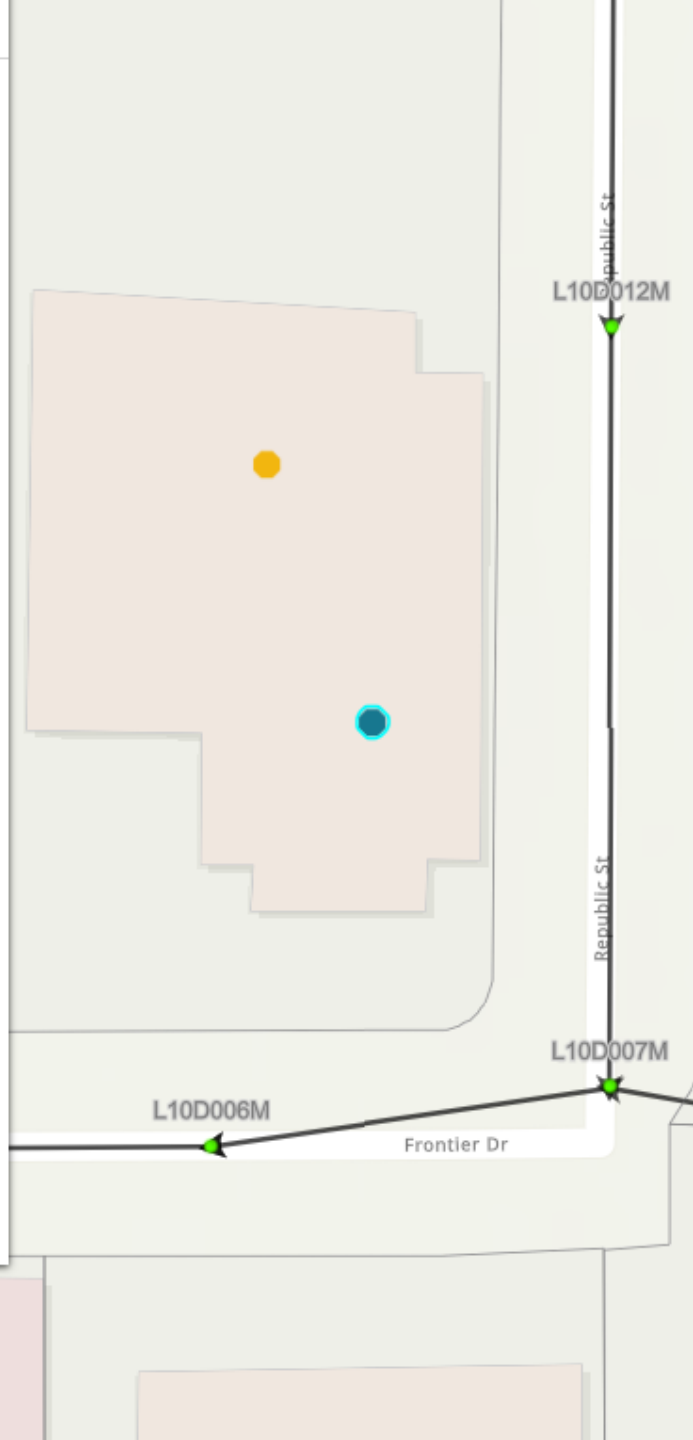
Sanitary Sewer View - SSO

YEAR

- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018

MM

OBJECTID	198
YEAR	2019
created_user	MM
created_date	5/13/2019, 1:00 AM
last_edited_user	CITY_CNTY_BLDG\darreln
last_edited_date	3/4/2020, 9:31 AM
Insurance Claim	
Comments	Line was backed up from S 12th st to Frontier Dr and Republic St.
Link	W:\Pw\Water and Sewer Department\Collection\SSO's and Backup Reports\SSO Reports\2019\Ameripride Line - Republic St and Frontier Dr\Ameripride Line SSO.pdf
Cause	GREASE
GlobalID	bb4e1cb8-f37f-44b5-8735-777668fafc84



2018 LOOKING NORTH



2018 LOOKING WEST



2020 LOOKING SOUTH



Bismarck *Department of Public Works*

August 4, 2020

Subject: Written Notice of Noncompliance – Causing Sanitary Sewer Pipe Obstruction

Dear _____,

This is your notice that _____ is in noncompliance with the City of Bismarck Pretreatment Program Ordinance Title 11.1. The wastewater discharge from _____ is causing solids and grease to build up on the pipe at the discharge tap to the city pipe main and downstream causing flow obstruction. A copy of the televised 2020 video of the pipe was provided to you on July 13, 2020. See attached photos from the video, upstream, at the discharge tap and downstream of Aramarck. The video was taken after the sewer pipe was high pressure jetted by the city.

Pretreatment Program Ordinance Title 11.1 Prohibitions

11.1-03-01.2 A user may not discharge or cause to be discharged, directly or indirectly, any of the following substances into the wastewater disposal system or to any public sewer: Solid or viscous substances which will or may cause obstruction to the flow in a sewer.

11.1-03-01.13a. Any wastewater containing fats, wax, grease or oils, including petroleum oil, if such materials: Deposit grease or oil in the sewer lines in such manner as to obstruct the sewers.

The following actions are required:

1. Within 90 days, _____ must develop and submit a plan of action that will prevent the sanitary sewer pipe flow obstruction from the facility discharges.
2. Within 180 days, _____ must complete and implement the engineered plan of action(s) to prevent flow obstruction from the discharge of oil, grease and solids.

TREATMENT (NEW)



OBSTRUCTION

On February 3, 2021, Industrial Pretreatment Program staff Bill Gefroh and Dean Wohl visited [redacted] to inspect their newly installed 60-inch diameter vibratory mechanical shaker screen [redacted] corporate Environmental Engineering Manager and [redacted] ismarck General Manager with [redacted] provided the tour. All process wastewater at the facility flows to the first chamber 8000-gallon sand trap located below the first floor in the boiler room. A mixer was added to the first chamber. Wastewater from the mixed first chamber is pumped to the shaker screen. Discharge from the shaker screen flows to the second chamber for further settling (sampling point) before discharging to the city sanitary sewer.

The mechanical shaker screen (60 mesh, 0.25 mm or 0.01 inch filter) filters out process solids. The solids on the screen are vibrated out, solids removal is aided by the red, flow propelled floor polisher. See photos. Solids are transferred out of the shaker through the rectangular opening on the side, the solids drop through a pipe into a burlap filter located on the first floor. The burlap filters are changed out several times per day and disposed of into the trash dumpster and landfilled.

Follow up actions and comments

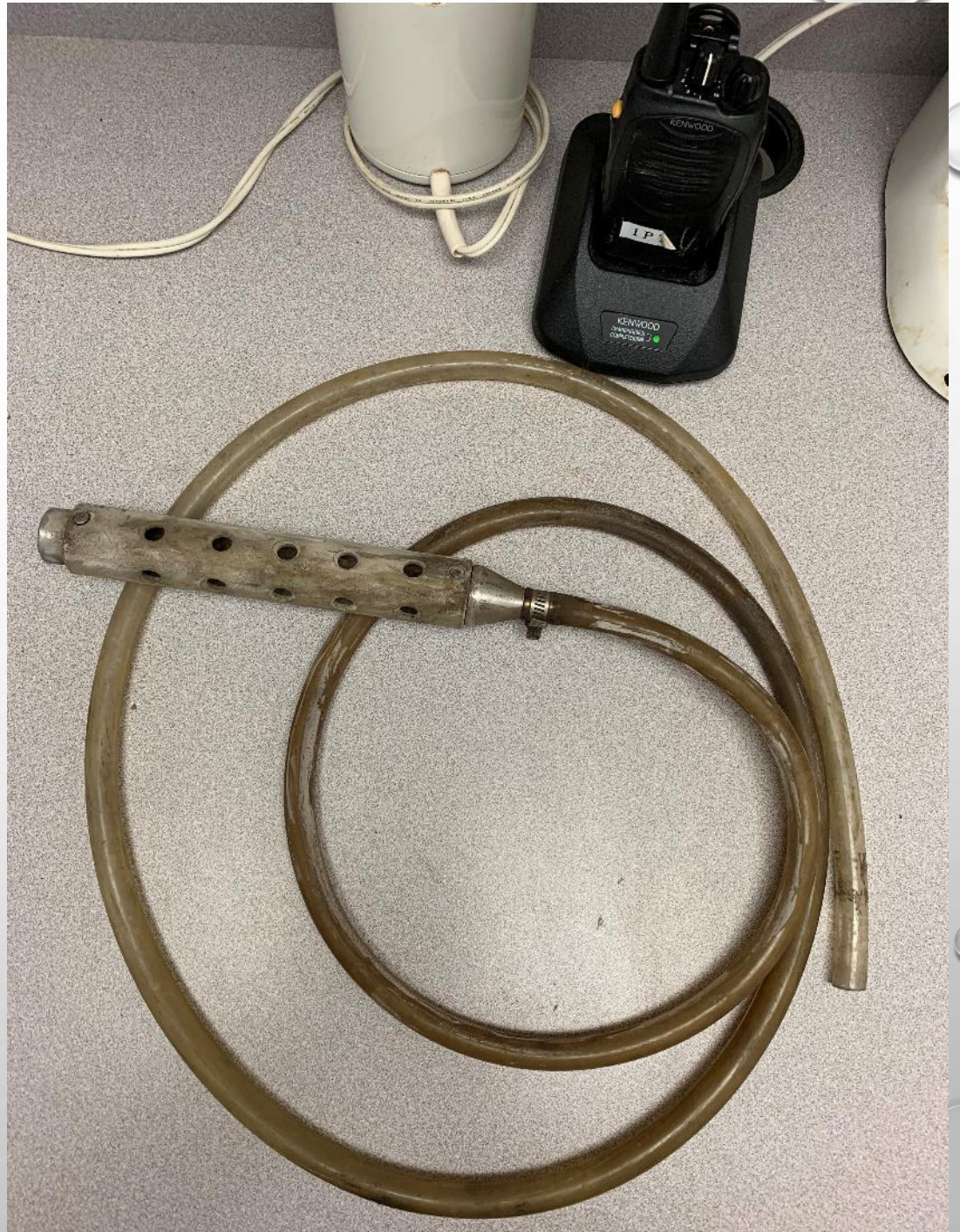
- Provide the city with a new schematic of the 8000-gallon sand trap, and pretreatment operation. To visualize the sand trap configuration, it would need to be pumped down.
- Request the city collections staff to jet and televise the city sewer pipe main by [redacted] in 2021 and 2022. This will help to determine if further obstruction is occurring at and downstream of the [redacted] sanitary sewer discharge point.
- [redacted] will clean and may televise their private sanitary sewer pipe.
- If it is determined that [redacted] continues to cause or contribute to city sewer pipe obstruction, further action will be required. Such as requiring equipment to remove oil and grease.
- [redacted] will track the amount of screenings that are removed.
- [redacted] will perform a toxicity characteristic leaching procedure (TCLP) analysis on the screened solids.

HOT SIDE NOTE



LIST OF ISSUES FROM THIS SIU

- 1991 – 1992 OIL AND GREASE >200 OIL SKIMMER
- 2003 NPE USE OF NON-NPE DETERGENTS
- 2007 FAILURE TO SAMPLE (DOCUMENTATION, HOLDING TIME)
- 2009 FAILURE TO SUBMIT REPORT ON TIME (AND 2015)
- 2018 BTEX IDENTIFYING RED RAGS AS SOURCE, OUTSOURCING
- 2020 SOLIDS ACCUMULATION TREATMENT OF WASTEWATER



FOLLOW UP

- WILL ISSUES CONTINUE?
- WAS TREATMENT SUFFICIENT?
- SIU ASKED IF THEY CAN RESUME WASHING SHOP TOWELS

- QUESTIONS??????
- THANK YOU