

INDUSTRIAL COMPLIANCE PORTFOLIO

SAMPLE

Sample US, LLC
Sample Road
&
Sample Drive
Delavan, Wisconsin 53115

PREPARED BY:

Current Revision: May 2018

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SECTION 1. BUSINESS/FACILITY DESCRIPTION

Sample US has two facilities in Delavan. Both manufacture products including pumps and flow equipment made primarily from stainless steel. Both sites are classified by SIC 3499 and have multiple classifications under the NAICS classification system:

NAICS Code	NAICS Description	Sample Creek Road	Sample Drive
33241	Power boiler and heat exchanger manufacturing		X
332721	Precision turned product manufacturing	X	X
333911	Pump and pumping equipment manufacturing	X	X
332919	Other metal valve and pipe fitting manufacturing	X	X

Metal fabricating and metal finishing operations include machining, polishing, cleaning, forming, milling, assembly, and limited spray painting. There are between 350 and 400 employees.

The most recent rate of production, determined in 2017, is:

Widgets	Annual production	Site
Widgets	16,400 units	
Widgets	23,700 units	
Widgets	180 units	
Widgets	72 units	

The Sample Creek Road facility has three outfall sampling locations, designated as Outfalls 001, 002, and 003. The sample Drive facility has one outfall sampling location, designated as Outfall 004. These outfalls are described in further detail in Section 2.

SECTION 2. PRETREATMENT BASELINE MONITORING REPORT

Prepared in accordance with the Walworth County Metropolitan Sewerage District Pretreatment Ordinance No. 96-001, hereafter referred to as WalCoMet Ordinance.

1. Identifying Information**A. Facility name, location, and mailing address.**

Facility Name:	Sample Delavan	Sample – Delavan 111
Mailing Address:	Operations 699 Sample Creek Road Delavan, WI	Sample Drive Delavan, WI 53115-2035 (262)
Telephone:	53115-1337 (262)	111-1111
Fax:	111-1111 (262) 111-1111	(262) 111-1111
Contact:		
Title:	Dave smith	
Telephone:	Regional EHS Manager (262) 111-1111	

B. Parent corporation location and mailing address.

Parent Corporation: Sample CORP USA
Mailing Address: 13515 Ball Corporate Place
Charlotte, SC 28111
Telephone: (704) 111-1111

2. Environmental Control Permits

Permit Description	Permit Number
Sanitary Sewer Discharge Permit from WalCoMet	I-0?? and I-0??
WPDES - Wisconsin Storm Water Discharge Permit	WI-S???857
Wisconsin NR 407 Air Operating Permit	NA
Toxic Release Inventory	53111714H
Hazardous Waste Generator – Sample Creek Road	WID0???2230
Hazardous Waste Generator – Sample Drive	WIR00???393

3. Description of Operations and Flow Measurement

A. General Operation: Nature, Average Rate of Production, SIC Classification, Schematic Diagram

Sample is a metal fabricating facility with SIC code of 3499. Facility metal fabricating and metal finishing operations include machining, polishing, cleaning, forming, milling and assembly. Products manufactured include pumps, flow equipment, votators, and homogenizers. Spray painting is also done on-site. The rate of production based on the most recent (2017) production data available is:

Item	Annual production	Site
Widgets	16,400 units	Sample Creek
Widgets	23,700 units	Road Sample
Widgets	180 units	Creek Road
Widgets	72 units	Sample Drive

The following section provides a description of the process wastewater sources, including flow information. Schematic Diagrams are provided in the figures at the end of this Compliance Portfolio.

B. For Each Regulated Operation: Description of Operation and Measured Average and Maximum Flows.

The Sample Creek facility has three outfall sampling locations, designated as Outfalls 001, 002, and 003 at which sanitary wastewater is discharged to the WalCoMet system. The outfalls are located, respectively, to the northwest, southwest, and southeast of the building, and are shown in Figure 1. Wastewater discharges are subject to WalCoMet industrial standards and the federal Metal Finishing Point Source Category regulations under 40 CFR Part 433.

The Sample Drive facility has one outfall sampling location, designated as Outfall 004, which is subject to the same standards as the outfalls at Sample Creek. It is located to the west side of the building. See Figure 2.

Individual process wastewater sources are listed below along with discharge information.

Sample Creek Road		
Facility Process	Discharge/Disposal	Discharge Flow Rate or Volume/Frequency
Single-Stage Alkaline Washer	Haul off-site	NA
Six-Stage Washer (FMS Gearcase Wash)	Haul off-site	NA
Etching & Packing Process (Hobart Washer)	Re-use and haul off-site	NA
Almco Spindle Deburring Process	Haul off-site	NA
Wet Tumbler Operation	Re-use and haul off-site	NA
Concast Operation	Batch discharge to Outfall 003	6,000 gallons as needed (has not occurred since 2010)
R&D Testing, cooling water	Discharge to Outfall 003	2,000 – 3,000 gpd
Floor Scrubber/Sweeper	Haul off-site	NA
RO concentrate	Continuous discharge to Outfall 002	1,700 – 2,600 gpd

Sample Drive Facility		
Process	Discharge/Disposal	Discharge Flow Rate or Volume/Frequency
Rotor Wash Station Rinse	Discharge to Outfall 004	50-100 gpd
Votators Test Stand	Discharge to Outfall 004	5-15 gpd
RO concentrate	Discharge to Outfall 004	5 gpd
Vibratory Tumbler	Haul off-site	NA
Floor Scrubber/Sweeper	Haul off-site	NA

Details for each process wastewater source at the Sample Creek Road facility are as follows. Figures of the process wastewater sources are included at the end of the ICP.

PROCESS: Single Stage Alkaline Washer
APPLICABLE REGULATIONS: WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category
DESCRIPTION: The single stage alkaline washer is used to clean parts following polishing or machining operations.
OPERATING SCHEDULE: Daily, three eight-hour shifts per day.
DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH): There is no discharge from this process to WalCoMet. The wash water is recirculated and then hauled off-site as needed.

PROCESS: Six Stage Washer (FMS Gearcase Wash)
APPLICABLE REGULATIONS: WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category
DESCRIPTION: The six-stage washer is used to clean parts following polishing or machining operations. The washer consists of the following stages: <ul style="list-style-type: none"> • Stage 1 – alkaline wash • Stage 2 – alkaline wash • Stage 3 – RO Rinse • Stage 4 – RO Rinse (counterflows to Stage 3) • Stage 5 – RO Rinse (counterflows to Stage 4) • Stage 6 – RO Rinse (counterflows to Stage 5)
OPERATING SCHEDULE: Daily, two eight-hour shift per day.
DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH): There is no discharge from this process to WalCoMet. All six stages are hauled off-site as needed.

PROCESS:**Etching & Packing Process (Hobart Washer)****APPLICABLE REGULATIONS:**

WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category

DESCRIPTION:

The Hobart Washer (essentially a small commercial dishwasher) is used to clean small machined parts prior to packaging and warehousing. It has one wash cycle, a hot spray alkaline wash, followed by a hot spray water rinse.

OPERATING SCHEDULE:

Daily, one eight-hour shift per day.

DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):

There is no discharge from this process to WalCoMet. The wash water is recirculated and then hauled off-site as needed.

PROCESS:**Almco Spindle Deburring Process****APPLICABLE REGULATIONS:**

WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category

DESCRIPTION:

The Almco Spindle is a wet deburring process by which rough edges are removed from the machined parts. The spindle consists of a tank filled with abrasive aluminum oxide pellets and a pH-neutral aqueous soap solution. The pellets are stirred mechanically for deburring.

OPERATING SCHEDULE:

Daily, two eight-hour shifts per day; eight hours on first shift, two hours on second shift.

DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):

There is no discharge from this process to WalCoMet. The wastewater is hauled off-site as needed.

PROCESS: Wet Tumbler Operation
APPLICABLE REGULATIONS: WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category
DESCRIPTION: Two wet tumblers are used to polish metal parts.
OPERATING SCHEDULE: Daily, one eight-hour shift per day.
DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH): There is no discharge from this process to WalCoMet. The wastewater is hauled off-site as needed.

PROCESS: Concast Operation
APPLICABLE REGULATIONS: WalCoMet local limits and 40 CFR 433 Metal Finishing Point Source Category
DESCRIPTION: Contact cooling water from the cast operation.
OPERATING SCHEDULE: Daily, two to three eight-hour shifts per day.
DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH): The wastewater (contact cooling water) from this operation will be discharged as needed. Historically, it was discharged approximately every two years but has not been discharged since 2019.

PROCESS: R&D Testing, cooling water
APPLICABLE REGULATIONS: WalCoMet local limits
DESCRIPTION: City water is used for life cycle testing of valves and pumps.
OPERATING SCHEDULE: Daily, one eight-hour shift per day.
DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH): The wastewater is discharged both batch and continuous.

*PROCESS:***Floor Scrubber/Sweeper***APPLICABLE REGULATIONS:*

WalCoMet local limits

DESCRIPTION:

There are currently two scrubber/sweeper units used for cleaning the floors.

OPERATING SCHEDULE:

Daily, one eight-hour shift per day.

DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):

There is no discharge from this process to WalCoMet. The wastewater is hauled off-site as needed.

*PROCESS:***Reverse Osmosis (RO) System***APPLICABLE REGULATIONS:*

WalCoMet local limits

DESCRIPTION:

The RO system creates high quality water for use in wash operations. The RO is stored in a holding tank and the RO concentrate is discharged to the sanitary sewer.

OPERATING SCHEDULE:

Daily, on demand.

DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):

Discharge to the sanitary sewer is continuous when RO water is generated.

Details for each process wastewater source at Sample 2 facility follows below.

<i>PROCESS:</i> Rotor Wash Station Rinse
<i>APPLICABLE REGULATIONS:</i> WalCoMet local limits
<i>DESCRIPTION:</i> The wash station utilizes city water in its rinse process.
<i>OPERATING SCHEDULE:</i> Daily, one eight-hour shift per day.
<i>DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):</i> The wastewater is batch discharged to the sanitary sewer.

<i>PROCESS:</i> Votators Test Stand
<i>APPLICABLE REGULATIONS:</i> WalCoMet local limits
<i>DESCRIPTION:</i> City water is used to perform a hydro test at a rate of 10 gpd.
<i>OPERATING SCHEDULE:</i> Daily, one eight-hour shift per day.
<i>DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):</i> The wastewater is batch discharged to the sanitary sewer.

<i>PROCESS:</i> Reverse Osmosis (RO) System
<i>APPLICABLE REGULATIONS:</i> WalCoMet local limits
<i>DESCRIPTION:</i> The RO system creates high quality water for use in wash operations. The RO is stored in a holding tank and the RO concentrate is discharged to the sanitary sewer.
<i>OPERATING SCHEDULE:</i> Daily, one eight-hour shift per day.
<i>DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):</i> The wastewater is discharged continuously to the sanitary sewer when RO is generated.

<i>PROCESS:</i> Vibratory Tumbler
<i>APPLICABLE REGULATIONS:</i> WalCoMet local limits
<i>DESCRIPTION:</i> The vibratory tumbler uses ceramic media to polish parts.
<i>OPERATING SCHEDULE:</i> Daily, one eight-hour shift per day.
<i>DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):</i> There is no discharge from this process to WalCoMet. The wastewater is hauled off-site as needed.

<i>PROCESS:</i> Floor Scrubber/Sweeper
<i>APPLICABLE REGULATIONS:</i> WalCoMet local limits
<i>DESCRIPTION:</i> There is one scrubber/sweeper unit that is used periodically to clean the floors.
<i>OPERATING SCHEDULE:</i> Daily, one eight-hour shift per day.
<i>DISCHARGE TYPE (CONTINUOUS, BATCH, BOTH):</i> There is no discharge from this process to WalCoMet. The wastewater is hauled off-site as needed.

4. Measurement of Pollutants

The discharge limits in 40 CFR 433 for Metal Finishing Point Source Categories and the WalCoMet limits apply to the combined effluent from sources at Outfalls 001, 002, 003, and 004. Sampling is required on a semiannual basis. Sampling results are provided to WalCoMet following each event. The most recent report is provided in Section 5 of this document.

5. Certification

☒ I certify that to the best of my belief this facility is consistently in compliance with the WalCoMet limits and Metal Finishing Standards 40 CFR Part 433.

AND

☒ I certify that sampling and analysis are representative of normal work cycles and expected pollutant discharges to the POTW.

AND

☒ I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

Authorized Sample

Representative: Title:

Signature and Date:

☒ I certify that this document has been prepared in accordance with federal, state, and local regulations.

Qualified Professional: P.E., CHMM

Title: , Inc.

Signature and Date: _____

SECTION 3. SPILL PREVENTION, SLUG DISCHARGE & SOLVENT MANAGEMENT PLAN

Walworth County Metropolitan Sewerage District (WalCoMet) requires any facility that discharges process wastewater to the sanitary sewer to develop a Spill Prevention, Slug Discharge Control and Solvent Management Plan. The purpose of this combined plan is to identify potential spill sources and prevent the occurrence of any spills or slug discharges of chemicals, including solvents, entering the sanitary sewer system from the Sample Flow facilities at Sample Creek Road and sample Drive.

This Plan is organized in the following sections:

1. Discharge practices;
2. Chemicals stored;
3. Procedures to prevent adverse impact from accidental spills;
4. Procedures for notifying WalCoMet of the occurrence of a slug discharge;
5. Certification Statement.

Description of discharge practices at Sample Flow.

The Baseline Monitoring Report in Section 2 of the ICP provides a description of discharge practices at the facility.

Description of chemicals stored at Sample Flow.

Appendix A of the ICP provides information on the chemicals used at the facility.

Procedures to prevent adverse impact from accidental spills.

- Inspection and maintenance of storage areas
 - All drums, containers, process tanks and containment structures associated with organic chemicals or hazardous materials are frequently inspected by Sample Flow personnel and security personnel for signs of damage, spills, or leaks.
- Handling and transfer of materials/Solvent Management Plan
 - To prevent spills, open drums are never transferred from one location to another. All drums and containers are clearly identified with visible and legible labels. The use of solvents is restricted to areas that are remote from open sanitary sewer floor drains and manholes. The discharge and/or dumping of any solvent-containing material into the sanitary sewer system is strictly prohibited. Standard good housekeeping practices are followed at all times. Sample Flow's Solvent Management Plan is included as Attachment A.
- Worker training
 - Employees at Sample Flow receive OSHA "Right-to-Know" training for the chemicals that exist on site. This training provides employees with safe handling

and use procedures, spill procedures, and special precautions for all materials at the facility. Flow employees are also trained to practice general good housekeeping procedures. In addition, employees must be knowledgeable of the facility's procedures for spill prevention and slug discharge control. Records from training sessions are kept on file.

- Slug Discharge Reporting
 - The Environmental/Safety Coordinator will immediately call WalCoMet at (262) 728-4140, and provide information on the location, time, and date of the discharge, the concentration and volume of waste, as well as the corrective actions taken. Within five days a detailed written report describing the cause of the discharge and measures to be taken to prevent similar future occurrences will be submitted. Attachment B contains the facility's Accidental/Illegal Discharge Procedure.
- Emergency Response Equipment
 - Flow has emergency equipment such as industrial vacuum tanks, face masks, rubber aprons, gloves, and sorbent material available for the containment and cleanup of accidental spills of chemicals at the facility.

Spill Response Procedure.

Should a discharge containing chemicals or solvents occur at Flow, the following procedures shall be carried out:

1. Notify the Environmental/Safety Coordinator immediately.
2. Contain spilled liquid in the smallest area as possible using absorbent booms and pads to dike the area.
3. Protect floor drains from collecting hazardous or toxic liquid wastes.
4. Oil-Dri (or granular type) absorbents may be used in an emergency to soak up liquid material that has been diked.
5. Waste booms, pads, and granular absorbents should be put in a yellow 55-gallon drum marked "Hazardous Waste" located in the Tool Crib.
6. Wear proper safety equipment before attempting to work on spills. Rubber gloves, full face shield, and rubber aprons can be found in the Tool Crib.
7. In the event of a spill of hazardous material exceeding 10 gallons the material should be contained immediately and the area evacuated. A call should be made to the Environmental/Safety Coordinator, who will call an outside HazMat contractor to clean up the spill.

Certification Statement

Based on my inquiry of the person or persons directly responsible for managing compliance with the pretreatment standard for Total Toxic Organics (TTO), I certify that, to the best of my knowledge and belief, no dumping of concentrated toxic organics into the wastewaters has occurred since filing the last discharge monitoring report. I further certify that this facility is implementing the Toxic Organics Management Plan submitted to the control authority.



10/18/18

Date

SITE LOADER

Title

ATTACHMENT A
SOLVENT MANAGEMENT PLAN

SOLVENT MANAGEMENT PLAN

- A. The discharge or dumping of any type of solvent or solvent containing material into the sanitary sewer is strictly prohibited. The disposal of all solvents shall be coordinated by the Environmental/Safety Coordinator.
- B. Any person or department ordering chemicals or solvents for use on Flow properties must first receive a MSDS on the product, this MSDS must be approved by the Environmental/Safety Coordinator before ordering the product.
- C. Any material received will be inspected for leaks and proper labeling.
- D. Any person handling hazardous material will be trained at a First Responder Operations Level. This training will be updated on at least a bi-annual basis.
- E. Spill Kits are placed throughout the shop area, in case an emergency occurs and there is a spill of a chemical or solvent. These spill kits are checked quarterly to make sure they are properly stocked.
- F. As mentioned in our spill procedure, any spill exceeding 10 gallons of a hazardous or toxic material will require containment and evacuation of the area. The local Fire Department would be called. If additional assistance is required, Veolia – Emergency Spill Response would be called at 1-800-688-4005.

ATTACHMENT B
ACCIDENTAL/ILLEGAL DISCHARGE PROCEDURE

SECTION 4. WASTE DISPOSAL

Flow maintains waste profiles and waste disposal records on file including hazardous waste manifests, bills of lading, etc. Typical wastes generated include:

- Waste coolant
- Wastewater
- Grinding/polishing dust
- Paint filters
- Paint thinner/paint waste
- Parts washer solvent
- Universal waste (lamps, batteries)
- E-waste

Waste summaries are provided to WalCoMet with each semi-annual monitoring and pretreatment report.

SECTION 5. WASTEWATER MONITORING RESULTS

Flow conducts wastewater self-monitoring on a semi-annual basis as required by permit. The most recent results are included in this section.

APPENDIX A – CHEMICAL USE INFORMATION

**MSDS Chemical
Inventory Sample Creek
Facility
A-D**

Product	Company	Date	Page
5-Way Spray	3M	2/3/2005	A-40
"APC" All Purpose Neutralizer	Monode Marking Products Inc.	12/27/2002	A-1
A-615 Cooling Water Microbiocide	HOH Chemical	7/10/2006	A-13
Absolyte IIP/Champion/Element	GNB Industrial Power-A Division of	Nov-06	A-2
Valve Regulated Lead/Acid Battery	Exide Technologies		
Ace Denatured Alcohol	Ace Hardware Corp.	7/30/2003	A-36
Ace Great Finishes Stain & Finish Oil- Light Oak	Ace Hardware Corp.	Oct-05	A-9
ACE Multi-Purpose Oil Gloss Enamel-Black	Ace Hardware Corp.	10/16/2005	A-17
Ace Pure Gum Turpentine #11328	Ace Hardware Corp.	7/30/2003	A-11
Ace Rust Stop Enamel, Gloss White	Ace Hardware Corp.	9/1/2007	A-8
Ace Rust Stop Enamel, John Deere Yellow	Ace Hardware Corp.	8/19/2007	A-4
Ace Rust Stop Enamel, Red and Gray Primers	Ace Hardware Corp.	7/1/1997	A-10
Ace Rust Stop Enamel, Satin Black	Ace Hardware Corp.	8/19/2007	A-7
Ace Striper, Highway Yellow	Ace Hardware Corp.	3/31/2007	A-12
Acetone	Ace Hardware Corp.	5/1/2006	A-18
Acetone	JT Baker	2/1/2007	A-31
Acetylene	Linde Gas/Rockford Welding	Mar-06	A-3
Aerokroil	Kano Laboratories	6/7/2005	A-34
AL-6XN Alloy	Rolled Alloys	7/14/2006	A-42
Alkaline Batteries	Rayovac Corp.	3/5/2007	A-33
Alkaline Batteries, Rechargeable	Rayovac Corp.	3/5/2007	A-32
All Purpose Cleaner	Barnes Distribution	6/12/2007	A-27
All-State Rubbon 55	The ESAB Group, Inc.	8/18/2005	A-5
Alloy Steel	Castle Metals	5/1/2007	A-39
Alumina/Zirconia Coated Abrasives - NorZon	Norton Company	1/24/2007	A-15
Alumina/Zirconia Resin Grinding Wheel- Norzon	Norton Company	1/31/2007	A-29
Aluminum Alloy (Secondary)	Carpenter Bros.	8/7/2003	A-28
Aluminum Oxide Abrasive Product	3M	4/28/2008	A-41
Aluminum Oxide Bear Tex Product	Norton Company	1/29/2007	A-21
Aluminum Oxide Coated Abrasive	Klingspor Abrasives, Inc	1/1/2008	A-39
Aluminum Oxide Coated Abrasives - Adalox	Norton Company	1/3/2007	A-20
Aluminum Oxide Coated Abrasives- Adalox/Metalite	Norton Company	8/23/2007	A-16
Aluminum Oxide Coated Abrasive - Norax	Norton Company	1/22/2007	A-22
Aluminum Oxide Coated Abrasives-Seeded Gel	Norton Company	1/22/2007	A-19
Aluminum Oxide/Silicon Carbide Grinding Wheel-Alundum/Crystalon	Norton Company	1/24/2007	A-23
Aluminum Oxide Vitrified Grinding Wheel-Seeded Gel	Norton Company	1/24/2007	A-24

**MSDS Chemical Inventory
Sample Creek Facility
A-D**

Product	Company	Date	Page
Ammonium BiFluoride	Hydrite/Atotech	2/27/2009	A-25
AnchorLube G-771	Anchor Chemical Co.	1/1/2007	A-30
Aquatene GM390	Graymills Corporation	1/1/2006	A-6
Argon	Linde Gas/Rockford Welding	Aug-05	A-14
Armorguard 500 Epoxy Hardener	Copps Industries, Inc.	8/2/2007	A-38
Armorguard 500 Epoxy Resin	Copps Industries, Inc.	8/2/2007	A-37
Atom Arc Low Hydrogen Welding Electrodes	Rockford Welding/The ESAB Group.	11/12/2008	A-69
<u>Automatic Transmission Fluid</u>	Exxon Mobil	4/24/2003	A-26
Aviation Form-A-Gasket	Permatex Inc.	2/22/2007	A-35
Bakfil	Foseco, Inc.	7/23/2003	B-2
BD 7-77 Plus	Barnes Distribution	8/5/2003	B-4
BEC 381 Zinc Alkaline	Brooktronics Engineering Corp.	9/23/1998	B-11
Belt Dressing	Barnes Distribution	7/31/2003	B-3
Belt Grease Stick 3H36	Matchless Metal Polish Co.	7/30/2003	B-7
Bismuth	Asarco	6/6/2002	B-12
Bio Guard SoftSwim "B"	Bio-Lab, Inc	5/4/2005	B-22
Black Max Instant Adhesive	Henkel Technologies	6/26/2007	B-13
BNZ Insulating Fire Brick	BNZ Materials Inc.	6/4/2006	B-10
BoeShield T9	PMS Products, Inc.	4/15/2008	B-21
Bowmagic Rust Remover	Barnes Distribution	4/4/2005	B-9
Bowman 290 Threadlocker	Barnes Distribution	1/1/2003	B-1
Bowman Blue Layout Fluid	Barnes Distribution	1/15/2008	B-20
Bowman Blue RTV Silicone	Barnes Distribution	1/5/2005	B-16
Bowman Hydraulic Sealant	Barnes Distribution	4/7/2006	B-17
Bowman Gasket Maker	Henkel Technologies	1/26/2006	B-15
Bowman Pipe Sealant	Barnes Distribution	1/25/2006	B-18
Bowman Shaft & Bearing Mount	Barnes Distribution	2/3/2006	B-8
Brakleen	CRC Industries, Inc.	12/4/2007	B-5
Buffing Compound 4VD	Matchless Metal Polish Co.	7/30/2003	B-6
Busan 77	Buckman Laboratories/Master Chemical	5/12/2006	B-14
Busch R-580 Oil	Busch, Inc.	Jul-05	B-19
C-438 Cooling Water Treatment	HOH Chemical	7/13/2006	C-22
Capt. Courageous	Grainger	5/1/2006	C-36
Carboguard 890 Part A	Carboline Company	3/30/2007	C-14
Carboguard 890 Part B	Carboline Company	8/15/2006	C-15
Carboline Urethane Converter 811	Carboline Company	9/11/2007	C-10
Carbomastic 15 Part A	Carboline Company	1/26/2006	C-11
Carbomastic 15 Part B	Carboline Company	1/26/2006	C-13
Carbon Dioxide	EPO Carbon Dioxide Products/Rockford Welding	3/24/2003	C-34
Carbon Steel	Castle Metals	5/1/2007	C-42
Carbon Steel Wire Electrodes & Rods	The ESAB Group, Inc.	1/31/2008	C-39
Carbothane 134 HG Part A	Carboline Company	4/19/2007	C-9
Cartridge Rolls (Resin or Glue Bond)	Merit Abrasive Products, Inc.	1/1/2008	C-16
Cast Steel Abrasives	National Metal Abrasive, Inc.	1/1/2007	C-29

**MSDS Chemical Inventory
Sample Creek Facility
A-D**

Product	Company	Date	Page
Chain & Cable Lube	Barnes Distribution	12/14/2005	C-32
Chevron Dura-Lith Grease EP	Chevron Lubricants Canada Inc.	12/5/2005	C-1
Chromium	Metallurg Vanadium Corp.	5/2/2008	C-24
Chromium Metal (Aluminothermic)	London & Scandinavian Metallurgical Co. Ltd.	9/16/1996	C-48
Citra-Jinx Organic All Purpose Cleaner	Claire Manufacturing	11/14/2007	C-2
Citrus Base Cleaner (Aerosol)	3M	9/13/2005	C-23
Clear Acrylic Coating	Barnes Distribution	8/5/2003	C-3
ClearGlide Wire Pulling Lubricant	Ideal Industries, Inc.	3/10/2006	C-47
Coated Abrasive Specialties	Standard Abrasives Inc.	1/1/2007	C-17
Combat Boron Nitride Aerosol	Saint Gobain Advanced Ceramics	10/29/2004	C-28
Combat Boron Nitride Solid ZSBN	Saint Gobain Advanced Ceramics	7/6/2007	C-27
Concrete Patch & Repair Kit #844	American Research	12/19/1991	C-38
Cool Tool II	Monroe Fluid Technology	6/1/2008	C-31
Copper Alloys	Dura-Bar Metal Services	Jun-09	C-45
Cortec VPCI-422	Cortec Corp.	11/14/2004	C-19
CRC Battery Terminal Protector (Aerosol)	CRC Industries, Inc.	1/28/2008	C-4
CRC Heavy Duty Degreaser (Aerosol) II	CRC Industries, Inc.	11/30/2006	C-5
CRC Lectra Motive Electric Parts Cleaner (Aerosol)	CRC Industries, Inc.	8/7/2006	C-49
CRC PF Precision Cleaner	CRC Industries, Inc.	9/6/2006	C-8
CRC SP-400 Corrosion Inhibitor (Aerosol)	CRC Industries, Inc.	12/7/2006	C-6
CRC SP-400 Corrosion Inhibitor (Bulk)	CRC Industries, Inc.	12/12/2007	C-7
CRC Sta-Lube Super White Multi-Purpose Grease	CRC Industries, Inc.	9/8/2006	C-12
Cross Pads-Alluminum Oxide	Merit Abrasive Products, Inc.	1/1/2008	C-33
Crown Anti-Seize Compound	Aervoe Industries	12/5/2007	C-46
Crysoat 547	Chemetall/Oakite	4/45/07	C-43
Crysoat 2187	Chemetall/Oakite	11/21/2006	C-18
Crystal Clean 142+ (mineral spirits)	Crystal Clean	2/14/2008	C-35
Crystal Clean Orange Degreaser	Crystal Clean	11/28/2007	C-37
CT 500-LC	Chemtool	12/7/2004	C-41
CT 902-LPC	Chemtool	1/17/2007	C-30
CT 1260-C	Chemtool	12/27/2005	C-20
CW 90 Refractory	Chicago Fire Brick Company	6/1/2006	C-21
DC-99	D.W. Davies & Co., Inc.	9/17/2007	D-10
De-Burr 255	D.W. Davies & Co., Inc.	1/21/2008	D-13
Dem Kote Gloss Black	Seymour Of Sycamore	5/25/2006	D-18
Dem Kote Gloss Red	Seymour Of Sycamore	9/24/2004	D-15
Dem Kote Machine Green	Seymour Of Sycamore	9/24/2004	D-17
Denatured Alcohol	Ace Hardware Corp.	7/30/2003	A-36
Denatured Alcohol Solvent	Sunnyside Corporation	1/25/2006	D-35
Dermashield	Benchmark Commercial	1/1/2005	D-10
Devcon Alluminum Putty (F)	ITW Devcon	10/10/2006	D-34
Diamond or Cubic Boron Nitride Grinding Wheels	Norton Company	7/31/2007	D-23
Disperbyk-111	BYK USA Inc.	12/21/2007	D-30

Super 16 Paint Gun Cleaner	Chemcentral/Crystal Clean	3/15/2006	S-56
Super 77 Multipurpose Adhesive	3M	6/11/2008	S-57
Super Kote 5000 Zone Marking Paint	Coronado Paint/Insl-X Products	9/12/2005	S-67
Sure Mix Epoxy Hardener	Barnes Distribution	7/11/2007	S-10
Sure Mix Epoxy Resin	Barnes Distribution	7/11/2007	S-11
Techalloy-Nickel and Nickel Alloy Welding Wire	Techalloy Company/Rockford Welding	May-05	T-18
Teflon Peek Sealer (Vitretek Peek Polymer)	Vitretek USA, Inc.	11/1/1997	T-5
Teflon Sealant Tape	Barnes/Bowman Distribution	1/1/2003	T-1
Thinner 2	Tnemec	9/19/2008	T-19
Thoriated Tungsten Electrodes	Rockford Welding	2/8/2007	T-8
Tin	Acro Sales & Engineering	6/6/2008	T-13
Titanium Metal Turnings	Global Titanium Inc.	8/7/2003	T-14
TIW Thermal Insulation	Owens Corning	9/25/2007	T-15
TKO	Zep Manufacturing Company	4/14/2003	T-4
Toluene Free Graffiti & Spray Paint Remover	ITW Dymon	5/7/2002	T-2
Total Alkalinity Indicator (491 H)	HOH Chemical	7/13/2006	T-12
Transparent Layout Fluid	Cortec Corporation	1/12/2001	T-1
Tri-Cool	Trico	Jun-00	T-10
Trim C-350	Master Chemical Corp.	Dec-07	T-17
Trim Clean DF1	Master Chemical Corp.	Feb-06	T-23
Trim Tap Heavy	Master Chemical Corp.	3/22/2006	T-6
Trim Task 2	Master Chemical Corp.	2/1/2008	T-3
Trim TC 197T (Discontinued)	Master Chemical Corp.	8/1/2000	T-7
Trim Whamex	Master Chemical Corp.	6/16/2006	T-16
Tungsten 2% Ceriated Electrodes	Weldstone/Rockford Welding	2/8/2007	T-21
Tungsten Electrodes for Welding	Weldmark/Rockford Welding	3/13/2002	T-22
Tungsten Lanthanum Electrodes	Oshram Sylvania/Rockford Welding	2/9/2006	T-20
Turpentine	Sunnyside Corporation	6/13/2002	T-9
Twinstar Series Flap Disc	Norton Company	1/29/2007	T-11
Ultra Blue RTV Silicone	Permatex	4/18/2008	U-1
Vandalism & Mark Remover 870	Sprayway Inc.	9/17/2007	V-1
Visionaid Rainbow II	H.L. Bouton	3/25/2008	V-2
Watson-Marlow Bredel Hose Lubricant	Bredel Hose Pumps B.V.	9/22/2003	W-8
Waukesha Metal 88 (WM 88)	Waukesha Foundry, Inc.	8/14/2008	W-6
Waukesha Metal 126	Waukesha Foundry, Inc.	8/14/2008	W-7
WD-40 (Aerosol)	WD-40 Co.	5/16/2007	W-3
WD-40 (Bulk)	WD-40 Co.	5/16/2007	W-4
Welding Anti-Spatter Spray	Barnes Distribution	2/17/2005	W-2
White Diamond XXX	Grobet USA	5/1/1994	W-5
Write Away	Zep Manufacturing Co.	8/27/2007	W-1
X-9 Plaster-Phosphate Bonded Alumina	Vesuvius	5/21/2003	XYZ-10
X-O Rust Anti-Rust Enamel	GPM	11/15/2007	XYZ-8
Z-Guard	ZYP Coating	7/23/2007	XYZ-9
Zep Glass Cleaner	Zep Manufacturing Company	5/23/2005	XYZ-1
Zep Stainless Steel Polish	Zep Manufacturing Company	11/16/2004	XYZ-2
Zircon Sand-Dupont	Dupont	5/14/2004	XYZ-11
Zircon Sand-Richards Bay	Richards Bay Minerals	6/30/2006	XYZ-12
Zirconium Silicate Milling Media (ER 120)	Saint Gobain - Zirpro	7/26/2004	XYZ-13
Zirconox Milling Media	Jyoti Ceramic Industries	7/1/2007	XYZ-14
Zip-Strip Original Formula	Star Bronze Company	1/23/2001	XYZ-7

ZRC Cold Galvanizing Compound (Aerosol) ZRC Worldwide

1/1/2007

XYZ-6

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Ace Automatic Transmission Fluid	Olympic Oil, LTD.	6/15/1999	A-12
Ace Denatured Alcohol	Ace Hardware Corp.	7/30/2003	A-17
Ace Instant Drying Lacquer, Clear	Ace Hardware Corp.	9/1/2007	A-13
Ace Multi-Purpose/Orange CPVC Cement	E-Z Weld	5/1/2001	A-10
Ace Pipe Cleaner	E-Z Weld	5/1/2001	A-11
Ace Purple Primer	E-Z Weld	5/1/2001	A-9
Ace Rust Stop Enamel, Red and Gray Primers	Ace Hardware Corp.	7/1/1997	A-8
Acetone	Ace Hardware Corp.	1/27/2004	A-1
Acetylene	Linde Gas/Rockford Welding	Mar-06	A-2
Aerokroil	Kano Laboratories	6/7/2005	A-3
Alloy Steel	Castle Metals	5/1/2007	A-19
Aluminum Welding Wire	Arcotec Wire Corp	9/14/2006	A-4
Ammonia 5%, Nitrogen 95%	Airgas	7/12/2007	A-6
Ammonia, Anhydrous	Linde Gas/Rockford Welding	6/20/2008	A-5
AnchorLube G-771	Anchor Chemical Co.	1/1/2007	A-18
Argon	Linde Gas/Rockford Welding	Aug-05	A-7
Barnes Gloss White Enamel	Barnes Distribution	Apr-06	B-2
Biodyne	Barnes Distribution	7/28/2005	B-1
Carbicote 945 Clear Strippable (Water Base)	Carbit Paint Company	9/1/2006	C-25
Carboguard 893 Part A	Carboline Company	4/2/2007	C-20
Carboguard893 Primer Part B	Carboline Company	6/13/2008	C-21
Carboline Surface Cleaner 3	Carboline Company	10/15/2008	C-32
Carboline Thinner 33	Carboline Company	8/18/2008	C-27
Carboline Thinner 214	Carboline Company	3/28/2008	C-26
Carboline Urethane Converter 811	Carboline Company	9/11/2007	C-10
Carboline Zinc Filler	Carboline Company	9/26/2008	C-22
Carbozinc 11 (Water Base)	Carboline Company	7/29/2008	C-23
Carbon Dioxide	EPO Carbon Dioxide Products/Rockford Welding	3/24/2003	C-1
Carbon Steel	Castle Metals	5/1/2007	C-18
Carbon Steel Wire Electrodes & Rods	The ESAB Group, Inc.	1/31/2008	C-17
Carbothane 134 HG Part A	Carboline Company	4/19/2007	C-11
Chain & Cable Lube	Barnes Distribution	12/14/2005	C-2
Chemlok 207	Lord Corporation	3/28/2003	C-28
Chemlok 6254	Lord Corporation	11/15/2005	C-29
Chevron FM ALC EP Grease	Chevron Products Company	6/22/2007	C-31
Chromium Metal	Metallurg Vanadium Corp.	5/2/2008	C-19
Citra-Jinx Organic All Purpose Cleaner	Claire Manufacturing	11/14/2007	C-14
CitriSurf 77 Plus	Stellar Solutions Inc.	4/17/2006	C-8
Citrus Base Cleaner	3M	9/13/2005	C-4
Compound 302	Arcal Chemical	5/1/2008	C-15
Controls Rust Superacrylic Spray Enamel-Safety Red	The Sherwin-Williams Company	4/8/2008	C-12
Cool Tool II	Monroe Fluid Technology	6/1/2008	C-30

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Product	Manufacturer	Date	Page
CRC Lectra Motive Electric Parts Cleaner (Aerosol)	CRC Industries, Inc.	8/7/2006	C-5
CRC Power Lube Multi-Purpose Lubricant (Aerosol)	CRC Industries, Inc.	3/13/2007	C-6
CRC QD Electronic Cleaner (Aerosol)	CRC Industries, Inc.	6/6/2006	C-7
Crosslinker XL-003	Prime Coatings	5/16/2007	C-16
Crystal Clean 142+ (mineral spirits)	Crystal Clean	2/14/2008	C-13
Dap 100% Silicone Rubber Sealant-Aluminum	Dow Corning Corporation	6/1/2005	D-1
DC-99	D.W. Davies & Co., Inc.	9/17/2007	D-7
De-Burr 255	D.W. Davies & Co., Inc.	1/21/2008	D-4
Deft Clear Wood Finish Gloss (Aerosol)	Deft, Inc.	11/17/2005	D-12
Dem-Kote Gloss White Enamel	Grainger	5/25/2006	D-8
Dem-Kote Machine Green Enamel	Grainger	9/24/2004	D-11
Denatured Alcohol	Ace Hardware Corp.	7/30/2003	A-17
Dow Corning 111 Valve Lubricant & Sealant	Dow Corning Corporation	2/20/2008	D-10
Dow Corning 732 Multi-Purpose Silicone Sealant - Clear	Dow Corning Corporation	1/23/2006	D-13
Dow Corning (Molykote) G-N Metal Assembly Paste	Dow Corning Corporation	1/18/2008	D-9
Ductile Iron	Various	8/14/2008	D-14
Dykem Brite-Mark Orange	ITW Dykem Co.	5/1/2007	D-5
Dykem Brite-Mark Yellow	ITW Dykem Co.	5/1/2007	D-6
Dykem Steel Blue Layout Fluid (Brush In Cap)	ITW Dykem Co.	9/29/2007	D-2
Dynabrade Air Lube	Dynabrade Inc.	Feb-05	D-3
Elkhorn Glass Cleaner	Elkhorn Chemical Co.	12/16/2002	E-3
Elmers No-Wrinkle Rubber Cement	Elmers Products, Inc.	12/20/2007	E-1
Enerpac HF Hydraulic Oil	Enerpac	2/5/2007	E-2
Fast & Easy Surface & Glass Cleaner	Spartan Chemical Co.	6/1/2007	F-3
Filler Metals	Special Metals Welding Company	Mar-08	F-2
Flash Aerosol	Chemsearch	Mar-08	F-4
Gasket, Decal, and Paint Remover	Barnes Distribution	Aug-05	G-2
Getriebeol Hyp Synth 75W-90	Aral AG	May-07	G-3
GF Top Saw Blade Lubricant	Kluber Lubrication	2/21/2008	G-1
Gray Iron	Various	Jan-97	G-4
Handy Flux Typw B-1	Lucas Milhaupt/Rockford Welding	10/4/2004	H-3
Helium	Linde Gas/Rockford Welding	Oct-05	H-1
Hydrogen	Linde Gas/Rockford Welding	Feb-06	H-2
Industrial Spray Adhesive	3M	Dec-07	I-6
Industrial Wash Primer, Green	The Sherwin-Williams Company	11/8/2007	I-1
Instapak Dispenser Solution	Sealed Air Corp.	1/8/2008	I-2
Instapak Mil Component A	Sealed Air Corp.	Jan-08	I-3
Instapak Port Cleaner	Sealed Air Corp.	Feb-08	I-4
Instapak Rigid 200 Component B	Sealed Air Corp.	Jan-08	I-5
Kathon 886 MW Biocide	Rohm & Haas Co.	Sep-04	K-3
Klubersynth GE 46-1200	Kluber Lubrication	10/15/2007	K-1

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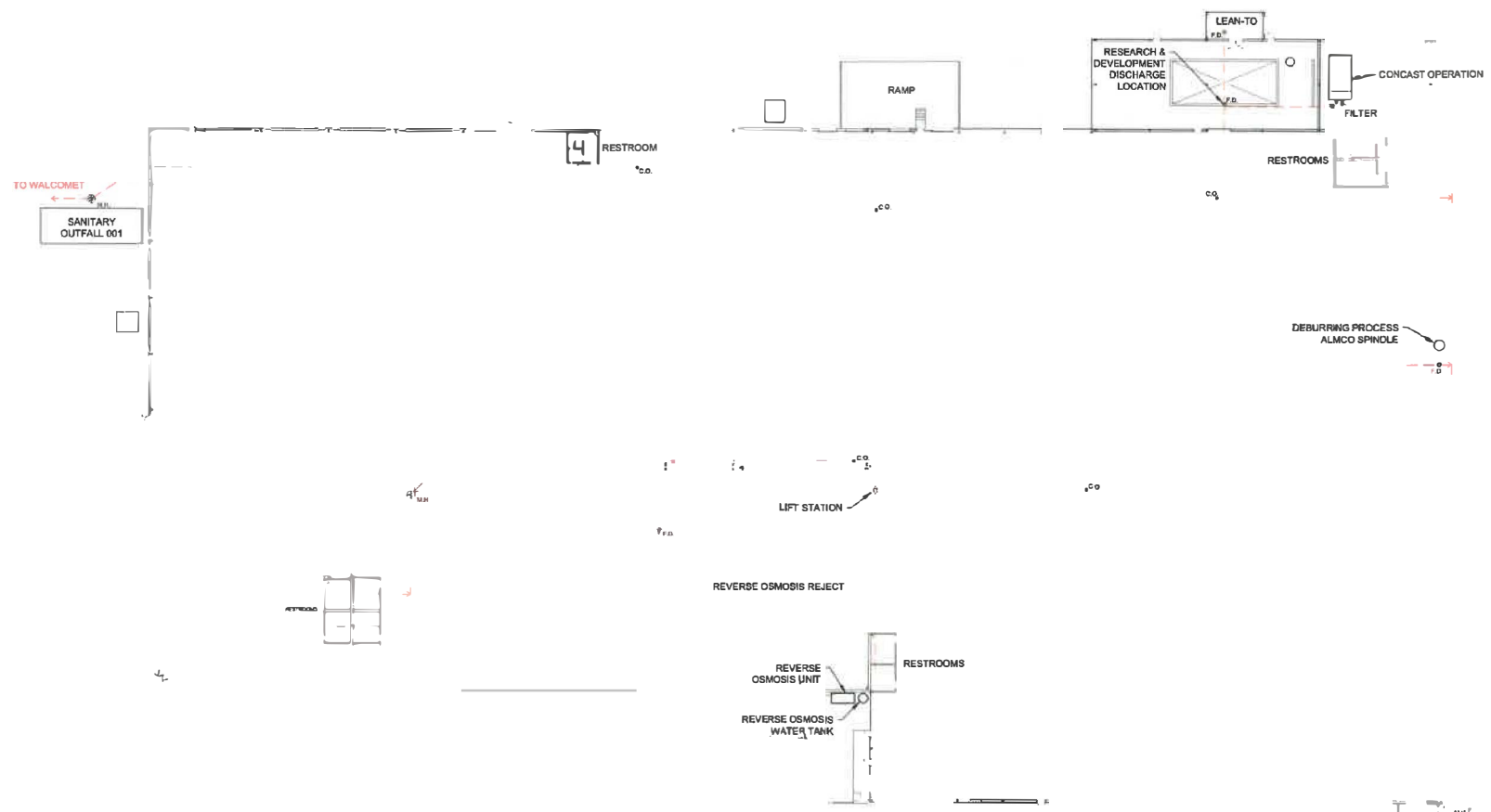
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Krylon Fusion for Plastic-Satin Black	The Sherwin-Williams Co.	12/4/2008	K-2
Krylon Indoor/Outdoor-Gloss Black	The Sherwin-Williams Co.	5/6/2008	K-4
Krylon Indoor/Outdoor-Satin Black (Semi-Flat)	The Sherwin-Williams Co.	5/6/2009	K-6
Krylon Indoor/Outdoor-True Blue	The Sherwin-Williams Co.	9/22/2008	K-5
Lapping Vehicle #3	Lapmaster International	Oct-08	L-30
Lime X	D.W. Davies	2/1/1999	L-27
Liquid Wrench Penetrating Oil	Radiator Specialty Co.	Feb-08	L-1
Loctite 272 Threadlocker High Strength	Henkel Technologies	4/16/2007	L-2
Loctite 294 Threadlocker	Henkel Technologies	2/6/2006	L-29
Loctite 567 Thread Sealant PST Pipe Sealant	Henkel Technologies	10/20/2006	L-3
Loctite 609 Retaining Compound	Henkel Technologies	1/25/2006	L-4
Loctite 2440 Threadlocker Medium Strength	Henkel Technologies	1/25/2006	L-5
Loctite 4501Prism Instant Adhesive	Henkel Technologies	2/7/2006	L-6
Loctite 7380 Solventless Adhesive Activator	Henkel Technologies	5/3/2006	L-7
Loctite 7471 Locquic Primer T Aerosol	Henkel Technologies	1/4/2008	L-21
Loctite 7649 NSF Primer	Henkel Technologies	4/4/2008	L-28
Loctite C5-A Copper Base Antiseize	Henkel Technologies	1/17/2007	L-8
Loctite Chisel-Paint/Gasket Remover	Henkel Technologies	5/12/2008	L-25
Loctite Clover Compound	Henkel Technologies	5/11/2007	L-23
Loctite Fixmaster Steel Liquid - Hardener	Henkel Technologies	5/26/2006	L-9
Loctite Fixmaster Steel Liquid - Resin	Henkel Technologies	5/24/2006	L-10
Loctite ODC-Free Cleaner & Degreaser	Henkel Technologies	8/9/2004	L-11
Loctite Silver Grade Anti-Sieze (767)	Henkel Technologies	6/5/2006	L-26
Loctite SpeedBonder 392	Henkel Technologies	1/25/2006	L-12
LPS 2 Heavy-Duty Lubricant	LPS Laboratories	3/19/2007	L-29
LPS Anti-Spatter Spray	LPS Laboratories	1/31/2003	L-13
LPS Precision Clean	LPS Laboratories	6/26/2007	L-14
LPS Pre-Solve Orange Degreaser	LPS Laboratories	2/7/2007	L-15
LPS Thermaplex Food Lube	LPS Laboratories	1/31/2003	L-16
LPS Thermaplex Hi-Temp Bearing Grease	LPS Laboratories	1/31/2003	L-17
LPS TKX (Aerosol)	LPS Laboratories	6/18/2006	L-18
Lubri-Film Spray	Haynes	4/30/2004	L-24
Lubricut 4275	Chemtool	7/28/2003	L-20
Lubriplate 105	Fiske Brothers	7/26/2007	L-19
Lubriplate FMO 1100-AW	Fiske Brothers	9/19/2007	L-22

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Product	Manufacturer	Date	Page
Macropoxy 646 Fast Cure Epoxy Part A	The Sherwin-Williams Company	10/9/2007	M-1
Macropoxy 646 Hardener Part B	The Sherwin-Williams Company	10/9/2007	M-2
Megum 3290-1U	Rohm and Hass Company	10/23/2006	M-21
Methanol	Hydrite Chemical Co	12/9/2008	M-20
Methyl Amyl Ketone	The Sherwin-Williams Company	9/30/2007	M-3
Methyl Ethyl Ketone	Hydrite Chemical Co	1/5/2009	M-22
Micro-90	Cole-Parmer	8/1/2005	M-15
Miller Antifreeze/Coolant	ITW Cooling Systems	12/15/2007	M-4
Miller Industrial Supreme Antifreeze/Coolant	Starbrite Dist. Inc.	12/14/2007	M-23
Mobil 600 W Cylinder Oil	Exxon Mobil	9/12/2006	M-12
Mobil D.T.E. 24	Exxon Mobil	11/4/2002	M-5
Mobil DTE 25	Exxon Mobil	4/14/2008	M-6
Mobil DTE 26	Exxon Mobil	4/14/2008	M-7
Mobil DTE BB	Exxon Mobil	9/27/2007	M-8
Mobil DTE Heavy Medium	Exxon Mobil	4/6/2007	M-9
Mobil DTE Light	Exxon Mobil	3/31/2008	M-19
Mobil Gear Lube 375 NC	Exxon Mobil	2/20/2008	M-10
Mobil Vactra 2	Exxon Mobil	6/16/2003	M-11
Mobil Velocite 6	Exxon Mobil	2/7/2008	M-14
Mobil Velocite 10	Exxon Mobil	11/1/2006	M-17
Mobilube HD 80W-90	Exxon Mobil	8/6/2002	M-13
Micro-90 Concentrated Cleaning Solution	Cole-Parmer	8/1/2005	M-
Never-Seez, Regular Grade	Bostik Findley	3/1/2007	N-3
Never-Seez, White Food Grade	Bostik Findley	2/15/2007	N-1
Nickel Boron Alloy	Metallurg Vanadium Corp.	5/2/2008	N-6
Nickel-Chromium Bare Wire and Strip	Sandvik Materials Technology	Jun-06	N-2
Electrodes and Rods			
Nitrogen	Linde Gas/Rockford Welding	Dec-05	N-4
Oatey Clear Primer	Oatey Co.	May-05	O-2
Oatey LO-VOC PVC Cement-Heavy Duty	Oatey Co.	May-05	O-3
Oatey PVC Cement-Regular Clear	Oatey Co.	May-05	O-4
Oil-Dri	Uline	12/4/2007	O-5
Omni-Pak Enamel Blend	The Sherwin-Williams Company	6/15/2008	O-7
Osborn RTV Silicone Gasket Maker	Osborn International	Jan-04	O-6
Oxygen	Linde Gas/Rockford Welding	Dec-05	O-1
Paraffin Oil	EK Industries, Inc.	4/28/2004	P-11
Peak Long Life Antifreeze	Old World Industries, Inc.	8/4/2004	P-12
Perfect Tapping Oil # 10 (Accu-Lube)	ITW Fluid Products Group	6/17/2006	P-13
Pipe Joint Compound 51D	Permatex Inc.	12/15/2006	P-14
Polane Accelerator	The Sherwin-Williams Company	11/29/2005	P-1
Polane B Catalyst	The Sherwin-Williams Company	12/17/2007	P-2
Polane HS Plus Polyurethane Enamel - Charcoal	The Sherwin-Williams Company	9/14/2008	P-3
Polane HS Plus Polyurethane Enamel-Green (RAL 6019)	The Sherwin-Williams Company	9/14/2008	P-20
Polane HS Plus Polyurethane Enamel - Soft Red	The Sherwin-Williams Company	9/14/2008	P-4

Polane HS Plus Polyurethane Enamel-White	The Sherwin-Williams Company	9/8/2008	P-18
Polane Plus Catalyst	The Sherwin-Williams Company	9/30/2007	P-5
Polane Plus Sealer, Gray	The Sherwin-Williams Company	1/21/2008	P-6
Polane Reducer-84	The Sherwin-Williams Company	10/2/2007	P-7
Polane T Polyurethane Enamel, Nitro Blue	The Sherwin-Williams Company	9/8/2008	P-19
Polyphenylene Sulphide-RTP 1399 X 91468 Natural (APV Rotor Plastic)	RTP Company	3/15/2005	R-10
Precision Parts Cleaner	Barnes Distribution	5/29/2007	P-8
Prestone Extended Life Antifreeze	Honeywell Consumer Products Group	10/30/2006	P-17
Prime Coatings Reducer/Thinner 20LT146	Prime Coatings	12/10/2003	P-15
Pro-Link Citrus Cleaner & Degreaser	Pro-Link	3/3/2000	P-9
Pro-Link Glass Cleaner	Pro-Link	5/3/2004	P-16
Propane, LP Gas	Plains Marketing/Rockford Welding	6/30/2008	P-10
R3500	Epic Resins	11/9/2007	R-10
RC Lacquer Solvent	Hydrite Chemical Co	11/17/2008	R-1
Recoatable Epoxy Primer (Part G) Miox	The Sherwin-Williams Company	9/30/2007	R-2
Recoatable Epoxy Primer (Part H) Hardener	The Sherwin-Williams Company	9/30/2007	R-3
Reducer #15	The Sherwin-Williams Company	9/30/2007	R-4
Reducer #54	The Sherwin-Williams Company	10/2/2007	R-5
RTP 1399 X 91468 Natural-Polyphenylene Sulphide (APV Rotor Plastic)	RTP Company	3/15/2005	R-10
Rust-Oleum Hard Hat-Safety Yellow	Rust-Oleum Corp.	4/16/2008	R-7
Rust-Oleum "Stops Rust" Enamel (Aerosol)	Rust-Oleum Corp.	12/3/2007	R-6
Rust-Oleum "Stops Rust" Enamel-Brush Primers	Rust-Oleum Corp.	1/21/2008	R-8
Rust-Oleum "Stops Rust" Metallic Aerosols	Rust-Oleum Corp.	12/14/2006	R-9
Safe Tap Plus	ITW Rocol North America	4/30/2007	S-8
Seal Head Insert #934873 (Alumina Ceramic)	COORSTEK	Jan-99	S-1
Selco Shine	Selig Industries	Jul-05	S-2
Series 104 H.S. Epoxy-B&L Blue	Tnemec	4/29/2009	S-22
Series 104 H.S Epoxy-Converter (Part B)	Tnemec	3/31/2009	S-36
Sierra Antifreeze/Coolant	Old World Industries, Inc.	4/16/2002	S-3
Silicone Rubber Sealant (RTV 100 Series)	GE Silicones	4/7/2003	S-18
Silver Brazing Alloys	Rockford Industrial Welding Supply	Aug-00	S-19
Simple Green All-Purpose Cleaner	Sunshine Makers, Inc.	Jul-07	S-4
Slic-Tite Paste w/ PTFE	LA-CO Industries, Inc.	Feb-07	S-6
Solid Steel Welding Electrodes & Rods (Spoolarc & Oxyweld)	The ESAB Group, Inc.	Jan-08	S-20
Spatter Block	J. Walter Inc.	1/3/2007	S-7
Spotcheck Cleaner/Remover SKC-S	Magnaflux	4/13/2007	S-10
Spotcheck Developer SKD-S2	Magnaflux	9/5/2007	S-9
Spotcheck Penetrant SKL-SP1	Magnaflux	5/1/2006	S-11
Sprayon 885-Stainless Steel Cleaner	The Sherwin-Williams Company	6/15/2008	S-5
Stainless Steel	Castle Metals	5/1/2008	S-28
Stainless Steel 303	Waukesha Foundry, Inc.	8/14/2008	S-30

Stainless Steel 304	Waukesha Foundry, Inc.	8/14/2008	S-31
Stainless Steel 316	Waukesha Foundry, Inc.	8/14/2008	S-32
Stainless Steel 316 W/ Selenium	Waukesha Foundry, Inc.	8/14/2008	S-33
Stainless Steel Bare Wire	Oxford Alloys, Inc.	Jul-06	S-34
Stainless Steel Cleaner & Polish	3M	7/3/2007	S-17
Stainless Steel Primethane II	Prime Coatings	12/13/2004	S-25
Staybond T242 Removable Nut Lock	Staybond Corp.	10/25/2001	S-29
Stay-Silv Brazing Flux	Harris Products Group	9/3/2004	S-24
Steel Plus Epoxy Primer-Red	Burke Industrial Coatings	9/1/2007	S-26
Steel Plus Novolac 316 Epoxy	Burke Industrial Coatings	9/1/2007	S-27
Steel-It Epoxy Coating Part "A"	Stainless Steel Coatings	May-06	S-12
Steel-It Epoxy Coating Part "B"	Stainless Steel Coatings	May-06	S-13
Steel-It Epoxy Primer Part "A"	Stainless Steel Coatings	May-06	S-14
Steel-It Epoxy Primer Part "B"	Stainless Steel Coatings	May-06	S-15
Steel-It Polyurethane Aerosol	Stainless Steel Coatings	1/15/2006	S-16
Strippable Coating, White	The Sherwin-Williams Company	9/8/2008	S-35
Sulfur Tapers	Hill Brothers Chemical Co.	4/19/2005	S-21
Sure Check Gas Leak Detector	LA-CO Industries, Inc.	6/27/2007	S-23
Tap Magic Aluminum Cutting Fluid	The Steco Corporation	3/1/2006	T-1
Techalloy-Nickel and Nickel Alloy Welding Wire	Techalloy Company/Rockford Welding	May-05	T-8
Thinner #2	Tnemec Company, Inc.	9/19/2008	T-2
Toluene 310-9	Sun Chemical Corp.	7/21/2000	T-11
Thoriated Tungsten Electrodes	Rockford Welding	2/8/2007	T-6
Towercut B-808 (Honing Oil)	Tower Oil & Technology Company	8/2/2006	T-3
Trim C-350	Master Chemical Corp.	Dec-07	T-14
Trim Clean DF1	Master Chemical Corp.	Feb-06	T-15
Trim Tap Light	Master Chemical Corp.	Apr-07	T-7
Trim Tap Heavy	Master Chemical Corp.	3/22/2006	T-4
Trim Tap NC	Master Chemical Corp.	3/6/2009	T-13
Trim Task 2	Master Chemical Corp.	2/1/2008	T-5
Trim Whamex	Master Chemical Corp.	6/16/2006	T-16
Tungsten 2% Ceriated Electrodes	Weld Stone/Rockford Welding	2/8/2007	T-9
Tungsten Electrodes for Welding	Weldmark/Rockford Welding	3/13/2002	T-12
Tungsten Lanthanum Electrodes	Oshram Sylvania/Rockford Welding	2/9/2006	T-10
Wash Primer Catalyst Reducer (R7K44)	The Sherwin-Williams Company	9/8/2008	W-1
WD-40 (Aerosol)	WD-40 Co.	5/16/2007	W-2
Welco 1620 Anti-Spatter	J.W. Harris/Rockford Welding	12/11/2006	W-5
White Diamond XXX	Grobet USA	5/1/1994	W-4
Write Away	Zep Manufacturing Co.	8/27/2007	W-3
Yield (Aerosol)	Chemsearch	12/21/2007	XYZ-2
Zenar Yellow Spray Paint	Zenar Corporation	3/20/2007	XYZ-3
ZRC Cold Galvanizing Compound	ZRC Worldwide	1/1/2007	XYZ-1



LEGEND

- = FLOOR DRAIN LOCATION
- = CLEANOUT LOCATION
- = OPEN GRATE MANHOLE LOCATION
- = SEALED MANHOLE LOCATION
- = ABOVEGROUND PIPE
- = UNDERGROUND SANITARY SEWER

PROCESS STEER

DATE BY

OIL STORAGE		
SPCC ID#	DESCRIPTION	CAPACITY (GALLONS)
1	WASTE COOLANT TOTES	425 EACH
2	LUBE OIL TOTE	275 OR 330 EACH
3	HYDRAULIC FLUID DRUMS	55 EACH
4	USED OIL DRUM (COMPRESSOR ROOM)	55 EACH
5	USED OIL DRUMS	55 EACH
NA	OIL-CONTAINING OPERATIONAL EQUIPMENT	10-220

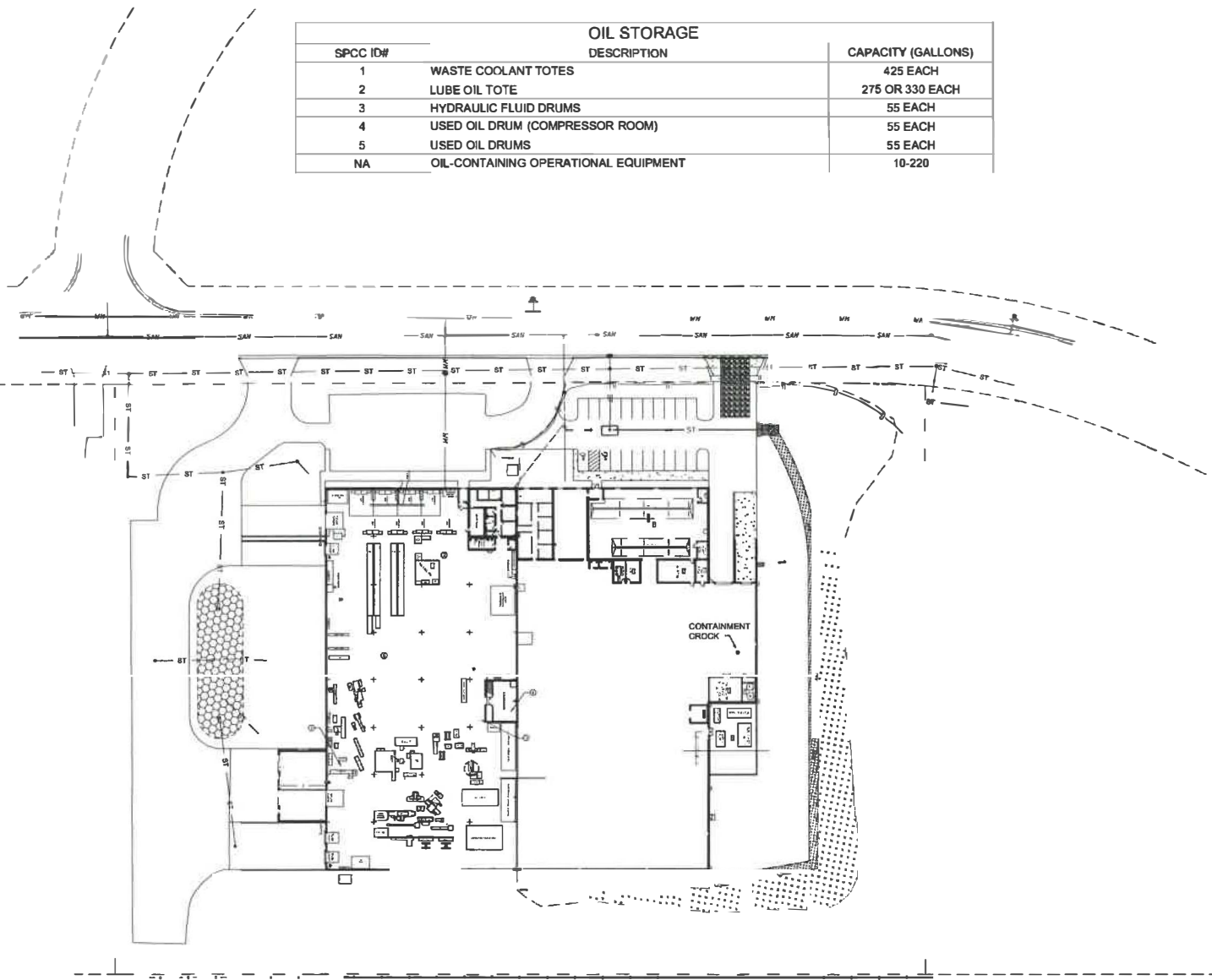
SPCC (Rev. 10-17-14)

F6

Layout\3018_

Technology

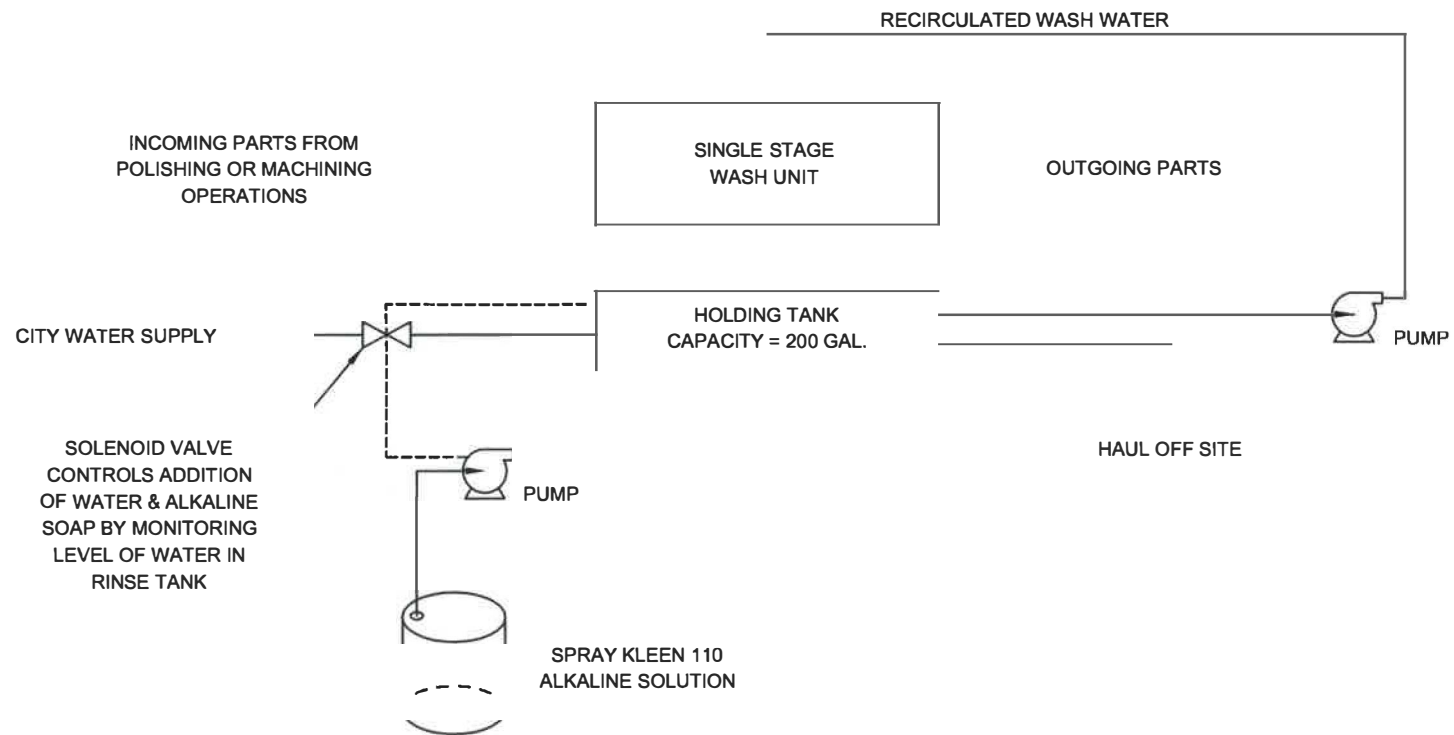
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NO. REVISION DATE BY

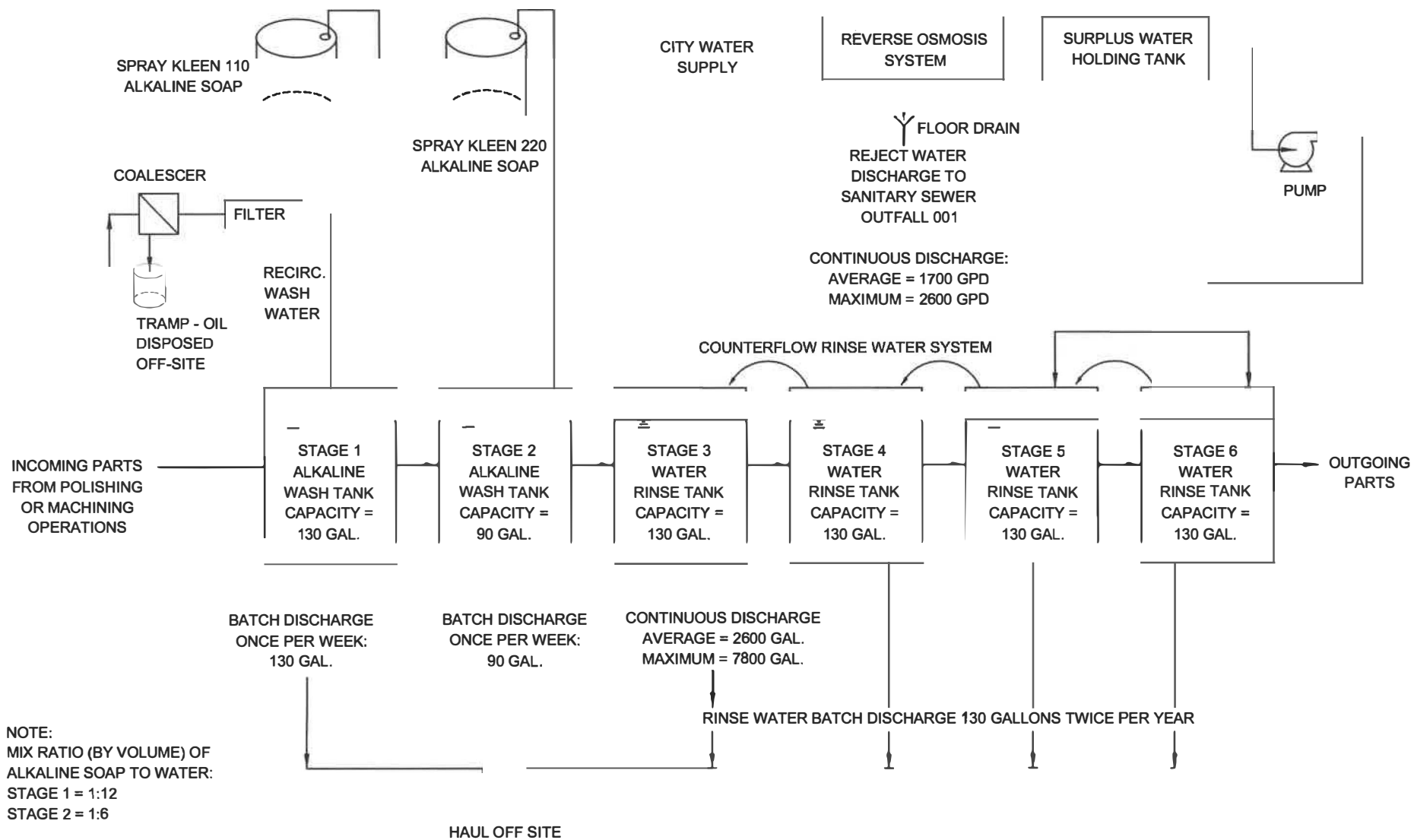
GRAPHIC SCALE

DRAWING
DRAWN BY:
DATE:
PROJECT NO.:
CHECKED BY:
APPROVED BY:
SHEET NO.:

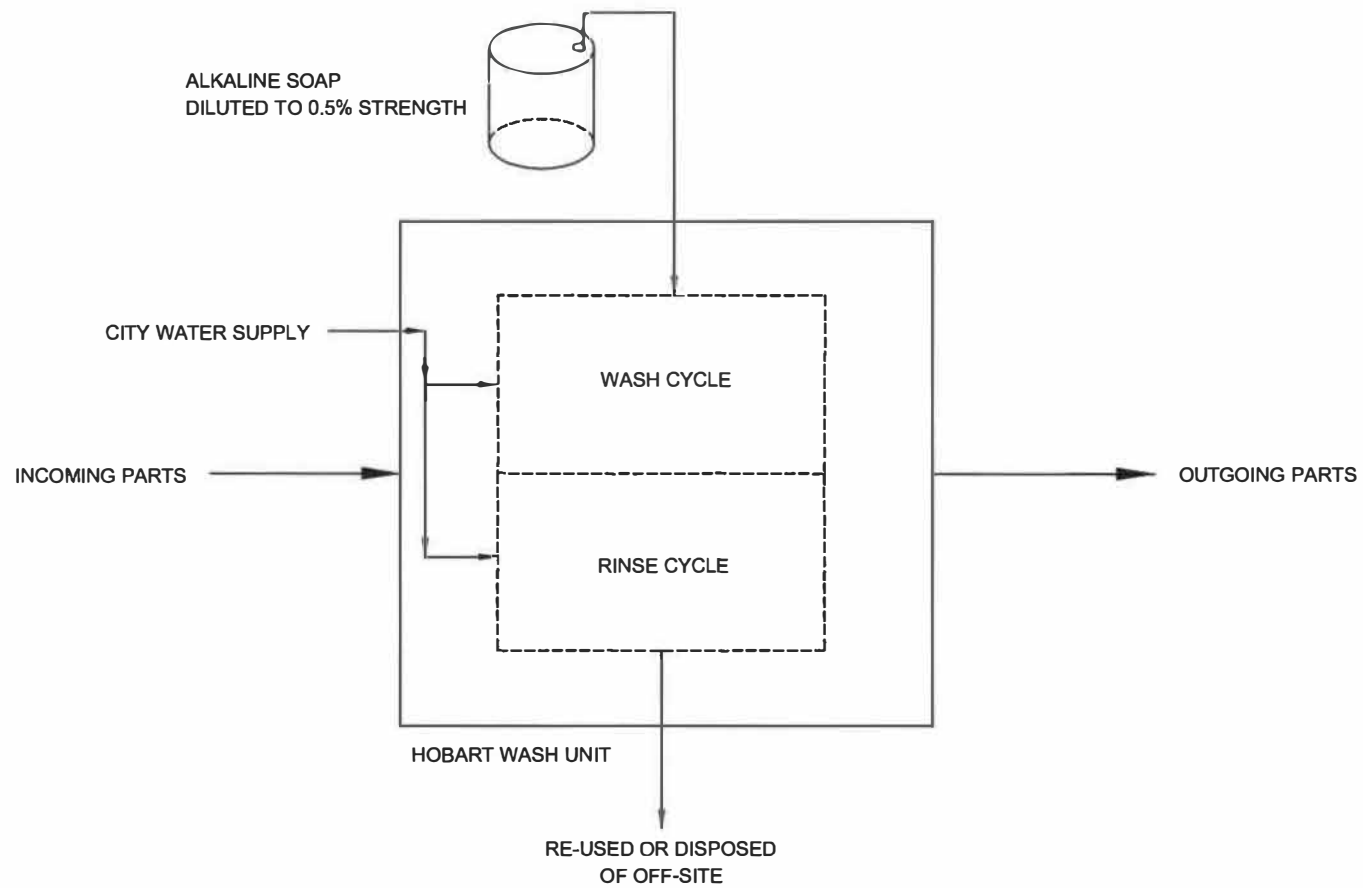


SINGLE STAGE ALKALINE WASHER
WASTEWATER FLOW DIAGRAM

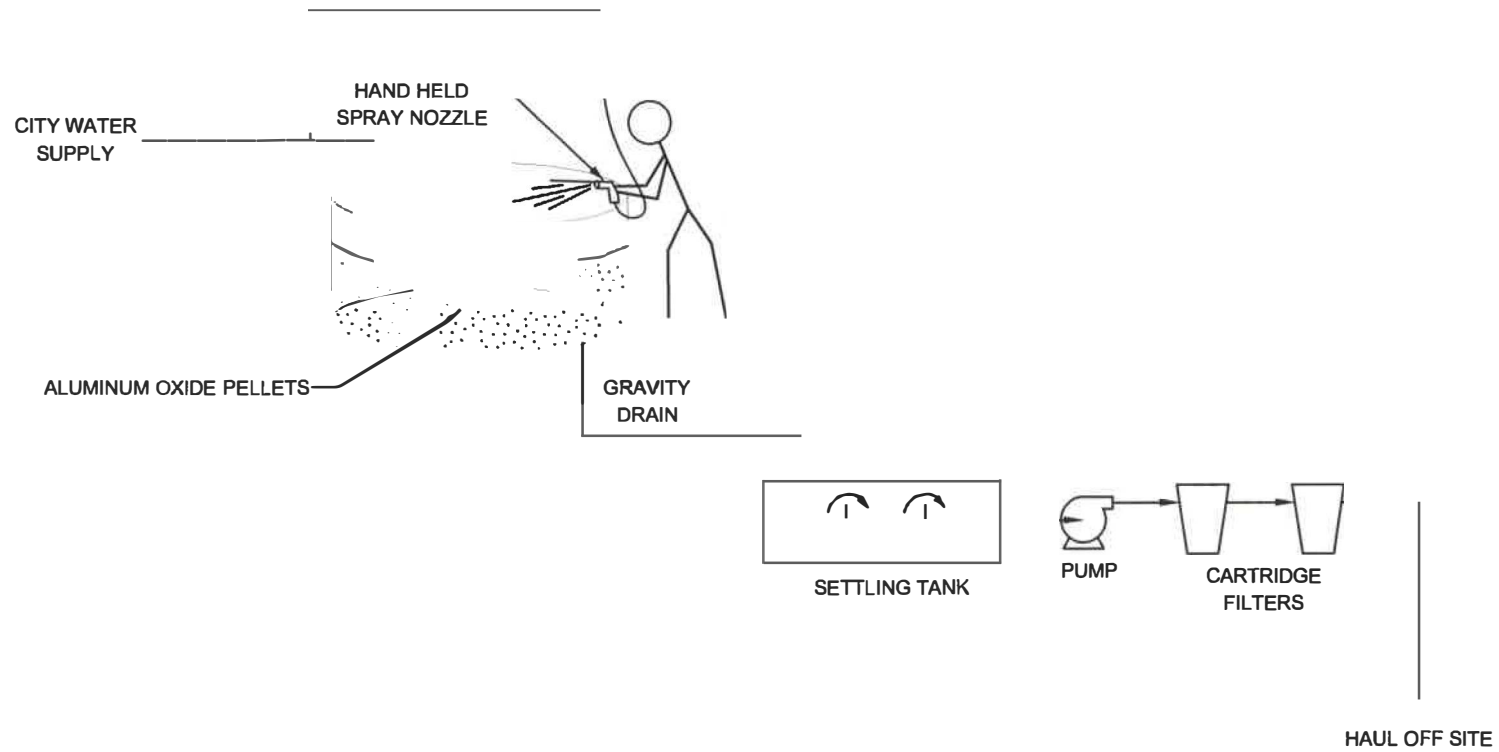
FIGURE 2

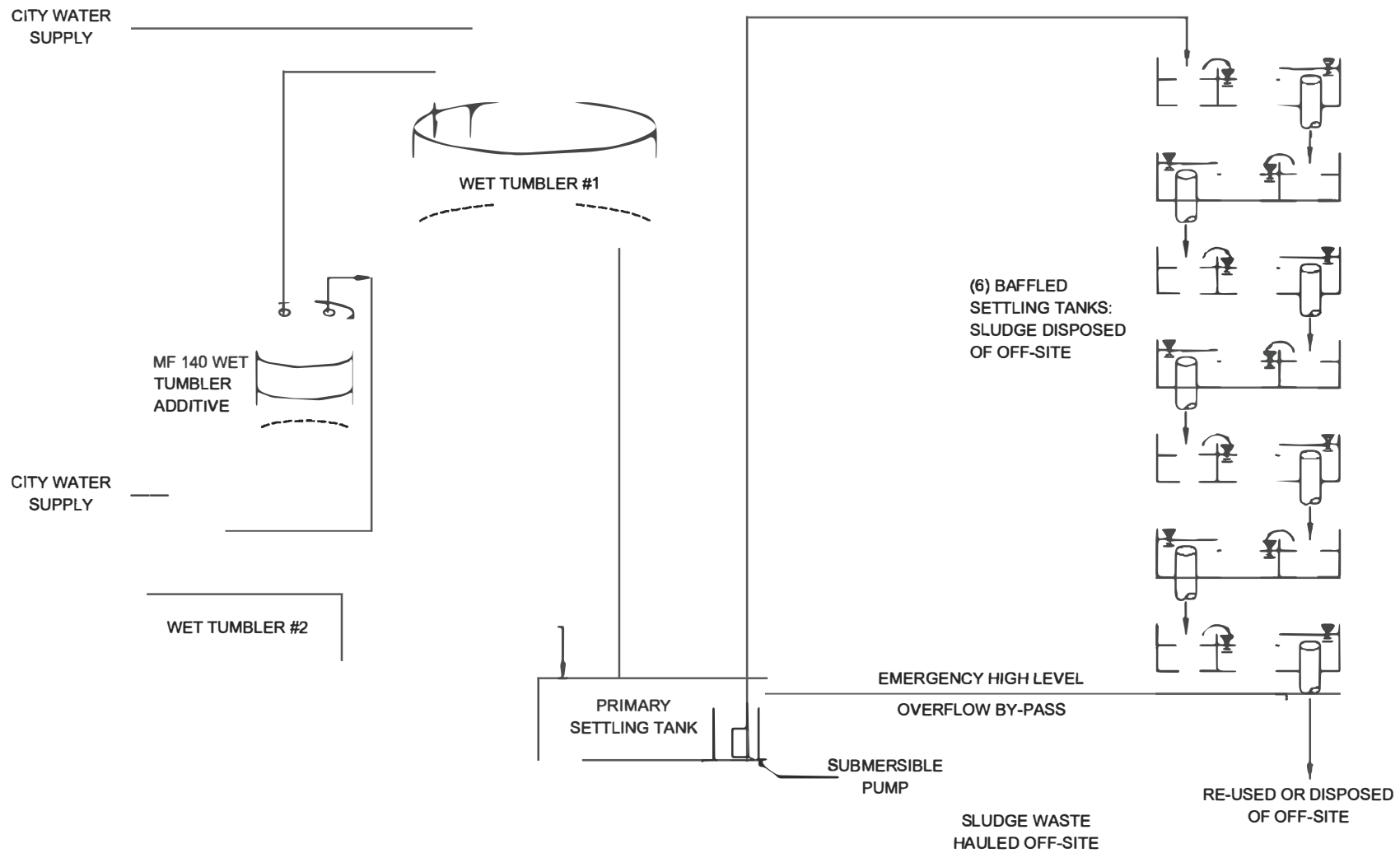


SIX STAGE WASHER (FMS GEARCASE WASH) WASTEWATER FLOW DIAGRAM



ETCHING AND PACKING OPERATION
WASTEWATER FLOW DIAGRAM





TUMBLER OPERATION
WASTEWATER FLOW DIAGRAM

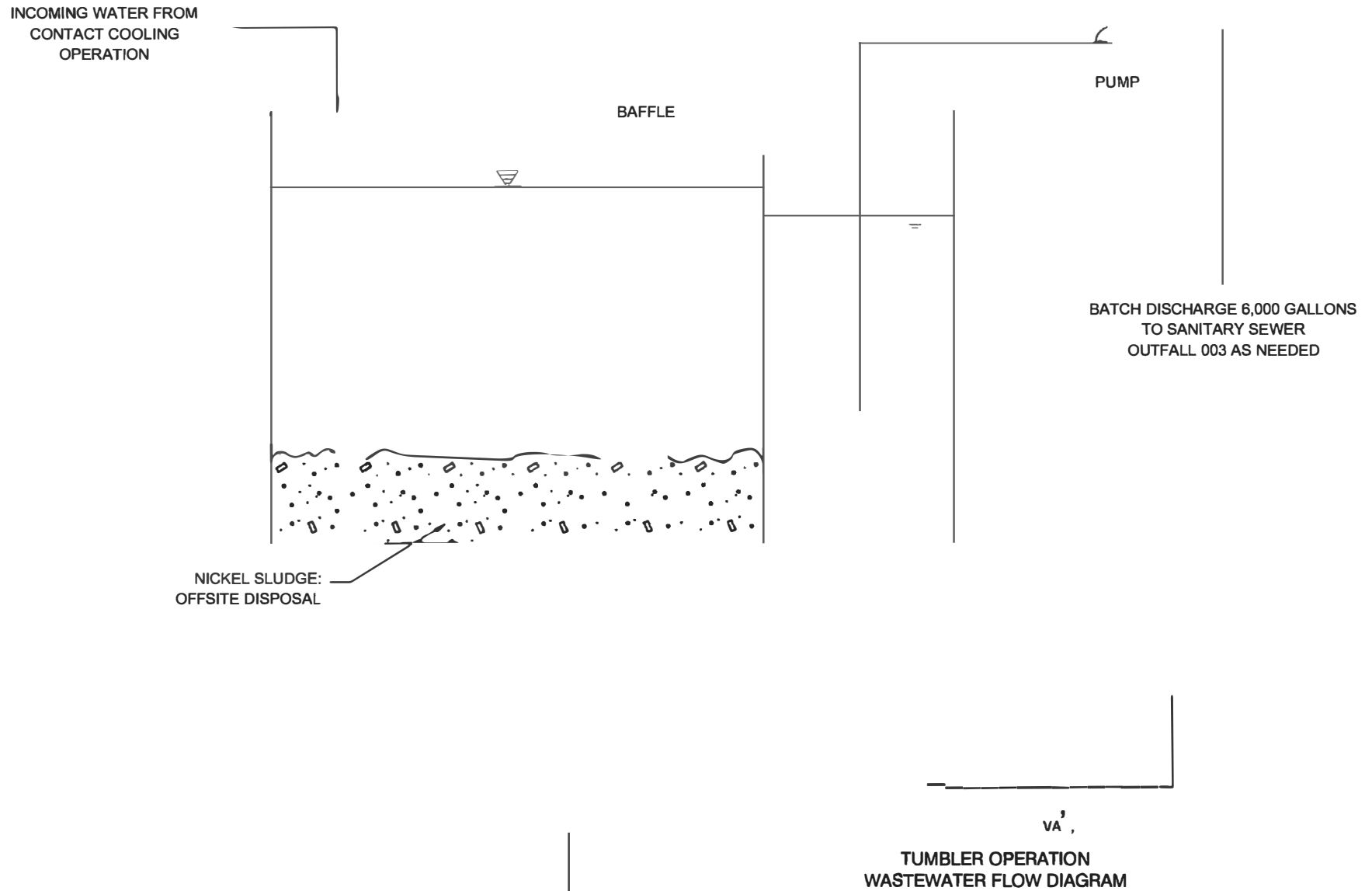


FIGURE 7