



CITY OF
REXBURG
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Industrial Wastewater Discharge Application

Physical Address
City of Rexburg
Wastewater Department
525 N. 5th W.
Rexburg, ID 83440

Mailing Address
City of Rexburg
Wastewater Department
P.O. Box 280
Rexburg, Idaho 83440

Phone: **208-372-2306**
Fax: 208-359-3055
City Hall: 208-359-3020

Contacts:
Donna Archibald
donnaa@rexburg.org

Jade Lewis
jadel@rexburg.org

** Note upon completion of the forms they will need to be returned to the City at one of the above addresses

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

Instructions for completing the Industrial Wastewater Permit Application form:

If you have any questions regarding completion of this form, please contact –City of Rexburg Wastewater Department at 208-359-3035.

Site/Administrative Information

- A. Please provide the date this Application is submitted to the City by the applicant.
- B. Include Company Name, Facility Name, Owner, and Operators if they are different, and any d.b.a. (Doing-Business-As) names.
- C. Include the applicable city in which the facility is physically located.
- D. The Standard Industrial Classification (SIC) code is typically found on the business license. This is the single primary SIC code for the business at the site address. If the SIC code is not known, call the City of Rexburg for assistance.

E. Contact Person(s) Role

Environmental Contact: Person to contact for inspections and answer permit questions
Pretreatment System Operator: Person who operates the pretreatment system
Emergency Contact: Person to contact in case of an emergency, including after hours
Signatory Official: See Appendix A for requirements under 40 CFR 403.12 (1)
Provide office, cell, fax and pager phone numbers for each, as applicable.

If the person who is best able to answer the questions regarding this application is not a contact person listed above, please provide the applicable name, company affiliation and phone number(s).

- F. Please provide the complete Mailing Address, including applicable city, state and zip code.
- G. Please provide the Billing Contact name and address, phone number(s) (voice, fax, etc) and e-mail, if applicable. Include the person or office responsible for receiving invoices.
- H. Site Diagram (Physical layout of facility site)
See Appendix B of this document for an example.

City of Rexburg Wastewater Department
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Site/Administrative Information

A. Date submitted: _____

B. Name of industry: _____

Facility Name (if different)	Facility Owner Name	Facility Operator (if different)

C. Site address of facility discharging the wastewater: _____

D. Primary business activity and corresponding Standard Industrial Classification.
 (SIC) code: _____

E. Contact person(s) and job title, contact phone number(s)
 (Include emergency/night one numbers and consultant information as applicable)

Contact Name	Job Title	Contact Role	Phone Number(s)	Fax Number(s)	E-Mail Address

F. Mailing address, if different than item C: _____

G. Contact information for billing correspondence (if different than above): _____

H. Site Diagram (physical layout) as Attachment _____

J. Additional Comments: _____

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Production/Services Information

A. Description of Operations:

1. The total number of employees includes office, production, warehouse and management staff on this particular site.
2. Indicate the number of days per week that employees work on site.
3. Indicate the number of shifts per day which employees work in any operations. Include the typical starting and ending times of each shift and the average number of employees who work each of the shifts.
4. Use this space for listing, in detail, the products or services provided by this site. *Attach additional sheets as appropriate.* List any additional process/service SIC (Standard Industrial Code) Number(s) City of Rexburg Wastewater Department for assistance.
5. Please describe the various production or manufacturing processes or services performed on site, whether the process is federally regulated with each corresponding applicable pretreatment standard *This information is required by 40 CFR 403.12(b)(5)(i).* List the rate of production for each. Include start and end times and average number of employees per shift.

B. Manufacturing Floor Plan

The Manufacturing Floor Plan is a physical map of the water and wastewater plumbing within the applicable production area.

See appendix C of this document for an example.

C Production Flow Diagram (Workflow of Products or Services)

An example is located in appendix D on pages of this document.

Ensure that labels or titles used in the Manufacturing Floor Plan match the titles or labels used in the Production Flow Diagram. Include all process steps in the Production Flow Diagram.

City of Rexburg Wastewater Department
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Production/Services Information

A. Description of Operations:

1. Total average number of employees for site: _____
2. Number of days worked per week: _____
3. Number and hours of work shifts per day:

Shift	Shift Start Time	Shift End Time	Avg Number of Employees

4. Nature and type of process/service operations (describe in detail). _____

Include any additional SIC numbers: _____

5. Product names or services provided and description of each type.

Process Name/ Service Provided	Description	Average Rate of Production			Seas- onal?	Federal retreatment Category <i>(As Applicable)</i>
		Rate	Units	Period		

- B. Manufacturing floor plan attached
- C. Production flow diagram attached

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D. Full Disclosure of Chemicals (FDC) of all Chemicals used on Site

In the table provided, or a similar table, fully disclose all chemicals used (or planned to be used) in:

- The production processes
- Auxiliary operations including, but not limited to HVAC systems, air scrubbers, container washing water, water purification systems, production area cleanup/maintenance and pretreatment systems.
- **Not** materials or cleaners used in routine office operations.
- *(Exclude non-hazardous chemicals with a total volume of less than 1 gallon)*

Provide all the information requested in each of the columns in the table, to the best of your knowledge. As part of the Chemical Disclosure Inventory describe how all chemicals are managed in regards to use, storage, spill containment, disposal, reclaim, and recycle.

More detailed information in the form of a Chemical Management Plan (CMP) may be required at a later date.

City of Rexburg Wastewater Department
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Full Disclosure of Chemicals completed **or** will be submitted by: _____

D. Full Disclosure of Chemicals					Disposition <i>Check all that apply</i>						
Chemical or Product Name	Chemical Constituents	CAS Number	Process and Location Used	Usage Rate/ Volume Stored	Solid Waste	Reclaim / Recycle	Air	Product	Sewer	Other	
		- -									
		- -									
		- -									
		- -									
		- -									
		- -									
		- -									
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		- -									
		- -									
		- -									

City of Rexburg Wastewater Department
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D. **Full Disclosure of Chemicals (FDC) of all Chemicals used on Site (Continued)**

In the table provided, or a similar table, fully disclose all chemicals used (or planned to be used) in:

- The production processes
- Auxiliary operations including, but not limited to air scrubbers, container washing water, water purification systems, production area cleanup/maintenance and pretreatment systems.

- Not materials or cleaners used in routine office operations.
- **(Exclude non-hazardous chemicals with a volume less than 1 gallon)**

Provide all the information requested in each of the table columns, to the best of your knowledge. As part of the Chemical Disclosure Inventory describe how all chemicals are managed in regards to use, storage, spill containment, disposal, reclaim, and recycle.

More detailed information in the form of a Chemical Management Plan (CMP) may be required at a later date.

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

D. Full Disclosure of Chemicals					Disposition <i>Check all that apply</i>							
Chemical or Product Name	Chemical Constituents	CAS Number	Process and Location Used	Usage Rate/ Volume Stored	Solid Waste	Reclaim /	Recycle	Air	Product	Sewer	Other	
		- -										
		- -										
		- -										
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Water & Wastewater Measurement Information

- A. Wastewater flow monitoring means any metering of the wastewater volume, usually by in-line water meters or open channel wastewater meters.
- B. Wastewater sampling is defined as collected samples which are analyzed for wastewater pollutants. They may be either composite or grab samples.
- C. The water purifier is the fresh water supplier, such as the city water department or an independent water district.

D. 1. Water Balance Worksheet

and

2. Flowchart

The water balance worksheet and flowchart track the amount of water entering a facility and the amounts used in each process and auxiliary process and the final disposition of the water (i.e. sanitary sewer, pretreatment system, storm system). An example of a water balance flowchart is in appendix E, of this document.

List the average and maximum daily flows. (Indicate the number of days per month used to calculate the average flows)

Please check off all processes which consume incoming water or have some type of discharge. Be sure to include any of the following:

Sanitary wastestreams (*domestic, non-process related uses such as restrooms, lunchrooms, drinking fountains*)

All process streams

Non-contact cooling/chiller makeup/blowdown water

Water lost to evaporation

Boiler makeup/blowdown water

High purity water discharge

Reverse osmosis/de-ionized/de-mineralizer backwash process & reject water

Fire suppression/sprinkler makeup water

Air scrubber water

Irrigation/landscape water

Water lost or used up in product

Any other water uses _____

City of Rexburg Wastewater Department
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Water & Wastewater Measurement Information

- A. Is wastewater flow monitoring currently in use (or planned for the facility if new)?
 Yes No
- B. Is wastewater sampling currently in use (or planned for the facility if new)?
 Yes No
- C. Source of drinking and process water: Water Purveyor: _____

Account Number: _____		
D. Water Balance Worksheet and Flowchart		
1. Water/Wastewater Balance Worksheet		
Average flow calculations based on _____ days per month		
Water/Wastewater Used Units: Gal/Day Gal/Month (Check One)		
*Boiler Makeup/Blowdown Discharge Avg Max	*Domestic Wastewater Avg Max	
*RO/Demineralizer Backwash & Reject Wastewater Avg Max	*Process Wastewater Avg Max	
Irrigation/Landscape Water Avg Max	Water Lost in Product Avg Max	
*Air Scrubber Wastewater Avg Max	*High Purity Water Discharge Avg Max	
Fire Suppression/Sprinkler Makeup Water Avg Max		
*Denotes Discharges to Sewer		
a. Total Used Water/Wastewater Avg _____ Max _____ (Add all items from above table)		
<table border="1" style="margin: auto; padding: 10px;"> <tr> <td style="text-align: center;"> b. Total Incoming City/Well Water Meter Volume (from water usage records) _____ Avg _____ Max </td> </tr> </table>		b. Total Incoming City/Well Water Meter Volume (from water usage records) _____ Avg _____ Max
b. Total Incoming City/Well Water Meter Volume (from water usage records) _____ Avg _____ Max		
2. Water balance flowchart attached.		

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Pretreatment Information

- A. If a pretreatment system is in operation or planned to be in operation, describe the pretreatment system including designed capacity. Also state whether the pretreatment of the discharge is batch or continuous.
- B. Wastewater Testing for Anticipated Pollutants
1. Wastewater sampling specifics:
 - a. If one or more of the constituents requested to be analyzed are: pH, cyanide, total phenols, oil and grease, sulfide, or volatile organics, then grab samples shall be used for analysis. Grab samples for cyanide and oil and grease shall be a composite of at least four discrete samples, taken over an operating day (not less than 15 minutes apart).
 - b. All other constituents sampling shall be conducted in the following manner:
 - (1) For continuous dischargers 24-hour flow-proportional sampling is the preferred method, however time proportional sampling will be accepted if flow proportional sampling is not possible.
 - (2) Batch dischargers shall use at least four grab samples collected no less than 15 minutes apart. The grab samples are then composited for analysis.
 - c. In all cases sampling shall be representative of the daily operations of the facility.
 2. All sampling and analysis shall be done in accordance with 40 CFR Part 136.
 3. Chain of custody for the samples shall contain at least the following:
 - a. Time and date sample was taken
 - b. Name of person conducting the sampling
 - c. Place of sampling
 - d. Type of sample (i.e. grab, flow proportional etc.)
 - e. Analytical method used
- ⇒ *For existing industries.- calculate the daily maximum and monthly average pollutant concentrations for each constituent analyzed. Sampling and testing shall be representative of each regulated process.*
- C. Pretreatment system diagram: Show source of each wastestream, various pretreatment areas and cyanide sampling location, if applicable. See Appendix F of this document for an example.
- D. Sample site diagram: Include both plan and cross-section views of the sampling vault. See Appendix G of this document for an example. Also show the exact location within the sampling vault where samples are taken.

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Pretreatment Information

- E. The following items shall be submitted with plans for the pretreatment system, to the extent that these pertain to the particular pretreatment system which is being installed or modified:

NOTE: Approval of plans means that the District has reviewed favorably the estimates, assumptions and the design presented in the specific project plans for reasonableness and practicality consistent with process technology and for the likelihood that the project may, if operated and maintained as proposed, achieve or maintain the desired result. **Plan approval by the City does not warrant that the facility will meet wastewater discharge regulations.**

1. *Plan approval does not negate the responsibility of the owner to provide additional facilities should the completed work fail to achieve design effluent parameters, unforeseen water quality violations occur, other operational problems develop, or treatment standards or requirements change. Review of non-process related aspects Of the plans will be cursory, if reviewed at all, and not meant to assure adequacy of non-process related aspects of the design.*
2. *Plans and specifications shall be complete to the extent that a contractor qualified in the type of work could be reasonably expected to construct it with minimal direction by the engineer.*

All plans for pretreatment facilities, interceptors, etc., required by this application shall be approved by the City prior to implementation. Approval of pretreatment facilities, interceptors, etc., by the City, does not relieve the owner of the responsibility to install and operate equipment necessary to perform the required function and to meet all permit requirements.

Pollution Management Information

- A. Hazardous Waste Issues:
1. List hazardous wastes that are generated on site. Hazardous waste sources include, but are not limited to: heavy metal sludges, spent solvents, and still bottoms.
- B. Include Federal, State and Local environmental control permits and permit numbers for air, water and hazardous waste discharges, including the EPA (or DEQ) Hazardous Waste Generator number.

City of Rexburg Wastewater Department
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Legal Certification

A. Full Disclosure of Chemicals used on Site (to include Pretreatment Chemicals)

B. Compliance certification: Compliance schedule, if not meeting standards

Check either 1, 2 or 3 as it applies to the facility. A compliance schedule (item 2) is a plan by the applicant detailing events and milestones whereby the applicant will have an adequate pretreatment system in place to achieve applicable pretreatment standards (discharge limits).

C. Certification Statement

Be sure to include Printed Name, Job Title, and Date Signed. See Appendix A, item of this document) for requirements on who may sign this Certification Statement.

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

IV.

Legal Certification

- A. I hereby certify that I have fully disclosed in the **Full Disclosure of Chemicals**, and all chemicals used in production processes, operations processes or auxiliary operations.

_____ Printed Name	_____ Job Title
_____ Signature	_____ Date

B. Compliance Certification (*Existing operations only*):

1. I hereby certify that a pretreatment system is either planned (if the process being applied for is not in operation yet) or is in operation (if the process being applied for is in operation) that is adequate to achieve Federal and local Pretreatment Standards on a consistent basis.

or

2. I have attached a compliance schedule

or

3. No pretreatment system is needed to achieve Federal and local Pretreatment Standards on a consistent basis.

_____ Printed Name	_____ Job Title
_____ Signature	_____ Date

C. Certification Statement

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ Printed Name	_____ Job Title
_____ Signature	_____ Date

City of Rexburg Wastewater Department

Industrial Wastewater Discharge Application

Appendix A

A. Certification Signature

This section lists the federal citation for which responsible individual within a company may sign the Discharge Application and similar required documents. Ensure that the individual signing this Discharge Application conforms to the federal requirements.

B. RCRA Hazardous Waste Notification Certification

This section is an extract of the federal requirement on the Industrial User to notify the applicable Publicly Owned Treatment Works or POTW (in this case Clean Water Services) of hazardous waste being discharged to the POTW.

City of Rexburg Wastewater Department

Industrial Wastewater Discharge Application

Appendix A

A. Certification signature

Federal regulation 40 CFR Part 403.12(l) states that the official signing this application must be:

1. A **responsible corporate officer**: president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy- or decision- making functions for the corporation; **or**
2. The **manager** of one or more manufacturing, production, or operation facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;
or
3. A **general partner or proprietor** of a partnership or sole proprietorship respectively;
or
4. A **duly authorized representative** of an individual designated in paragraphs 1 or 2 above, so long as a written authorization is submitted to the City of Rexburg, which specifies that the authorized individual has **a**) a position of responsibility for the overall operation of the facility which generates the wastewater discharge (such as the position of plant manager or equivalent responsibility), **or b**) having overall responsibility for environmental matters for the company.

B. RCRA Hazardous Waste Notification Certification (from 40 CFR 403.12 (p))

*"(1) The Industrial User shall notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities in writing of any discharge into the POTW of a substance, which, if otherwise disposed of would be a hazardous waste under 40 CFR part 261. Such notification must include the name of the hazardous waste as set forth in 40 CFR part 261, the EPA hazardous waste number, and the type of discharge (continuous, batch, or other). If the Industrial User discharges more than 100 kilograms of such waste per calendar month to the POTW, the notification shall also contain the following information to the extent such information is known and readily available to the Industrial User: An identification of the hazardous constituents contained in the wastes, an estimation of the mass and concentration of such constituents in the wastestream discharged during that calendar month, and an estimation of the mass of constituents in the wastestream expected to be discharged during the following twelve months. Industrial users shall provide the notification no later than 180 days after the discharge of the listed or characteristic hazardous waste. Any notification under this paragraph need be submitted only once for each hazardous waste discharged. However, notifications of changed discharges must be submitted under 40 CFR 403.12 (o). **The notification requirement in this section does not apply to pollutants already reported under the self monitoring requirements of 40 CFR 403.12 (b), (d), (e).***

(2) Dischargers are exempt from the requirements of paragraph (p)(1) of this section during a calendar month in which they discharge no more than fifteen kilograms of hazardous wastes, unless the wastes are acute hazardous wastes as specified in 40 CFR 261.30 (d) and 261.33 (e). Discharge of more than fifteen kilograms of non-acute hazardous wastes in a calendar month, or of any quantity of acute hazardous wastes as specified in 40 CFR 261.30 (d) and 261.33 (e), requires a one-time notification. Subsequent months during which the Industrial User discharges more than such quantities of any hazardous waste do not require additional notification.

(3) In the case of any new regulations under section 3001 of RCRA identifying additional characteristics of hazardous waste or listing any additional substance as a hazardous waste, the Industrial User must notify the POTW, the EPA Regional Waste Management Division Director, and State hazardous waste authorities of the discharge of such substance within 90 days of the effective date of such regulations.

(4) In the case of any notification made under paragraph (p) of this section, the Industrial User shall certify that it has a program in place to reduce the volume and toxicity of hazardous wastes generated to the degree it has determined to be economically practical.

City of Rexburg Wastewater Department

Industrial Wastewater Discharge Application

Appendix B

Site Diagram
(Physical Layout)

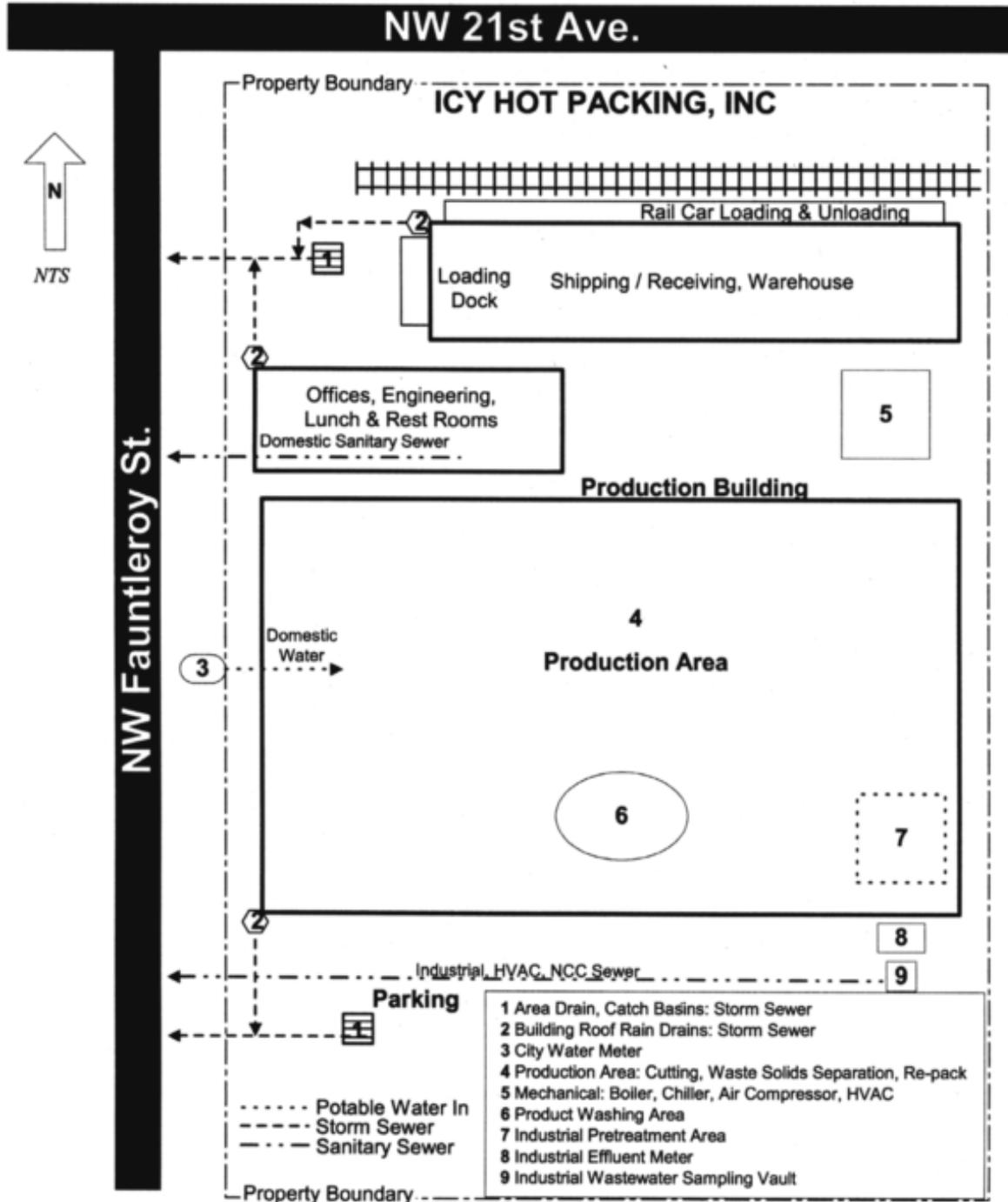
Include the following on the Site Diagram as they pertain to your facility:

- Property Boundary
- Site Entrance(s)
- Access Control Points
- Parking Area(s)
- Storm System, Location of Catch Basins, Outfalls, Entrance into Public Storm System
- Building(s) Footprints, Floor(s)
- Loading/Unloading Area(s)
- Building Entrances
- Warehouse Location(s)
- Office(s)
- Production Area(s)
- Process Sanitary Sewer Lines on Site & Entrance into Public Sanitary
- Industrial Wastewater Sample Site Location (if applicable)

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

Appendix B

Site Diagram (Physical Layout)



City of Rexburg Wastewater Department

Industrial Wastewater Discharge Application

Appendix C

Manufacturing Floor Plan
(Plumbing plan)

The Manufacturing Floor Plan is a physical map of the water and wastewater plumbing within the applicable production area.

Include the following on the Manufacturing Floor Plan, of the production area, as they pertain to the facility:

- Location of Floor Drains
- Location of Pretreatment System (if any)
- Wastewater Piping from Production Area to Pretreatment System
- Location of Water/Wastewater/pH/ Meters
- Process Wastewater Sample Site Location

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

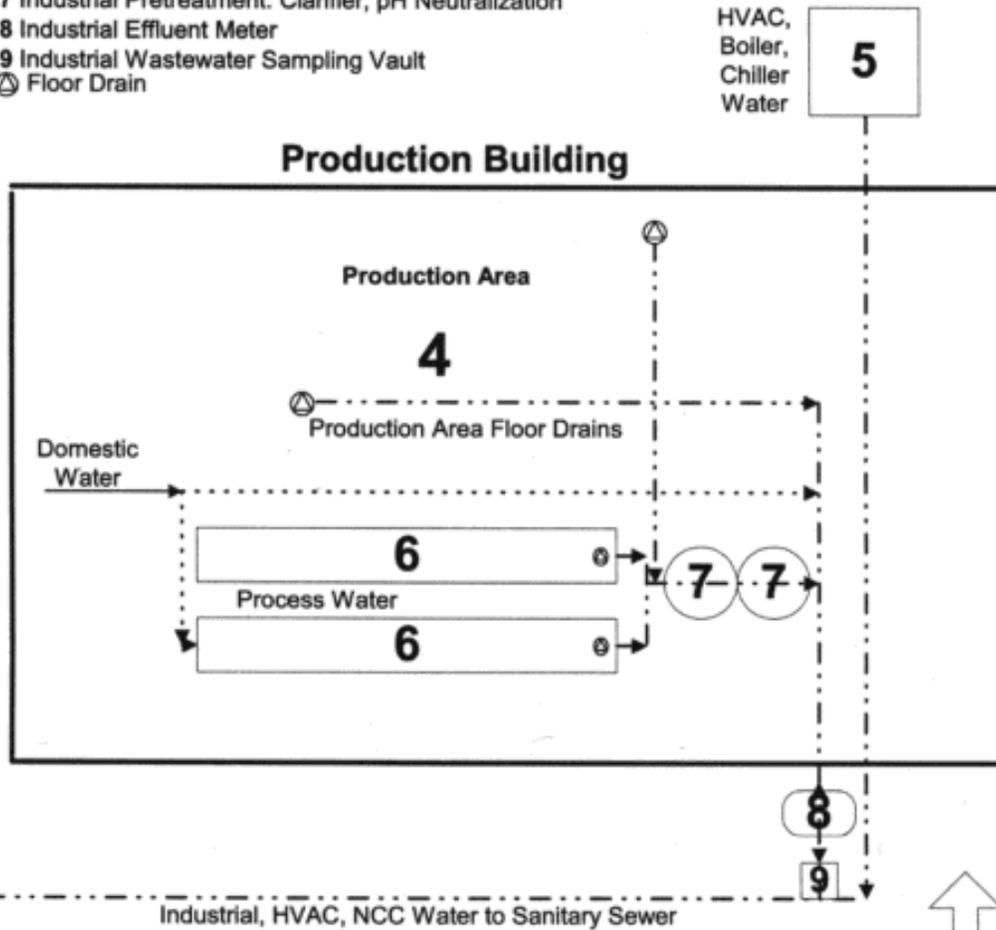
Appendix C

Manufacturing Floor Plan

ICY HOT PACKING, INC

- 5 Mechanical: Boiler, Chiller, Air Compressor, HVAC
- 6 Product Washing; New Container Washing;
Filled Container Rinsing, Equipment Cleaning
- 7 Industrial Pretreatment: Clarifier, pH Neutralization
- 8 Industrial Effluent Meter
- 9 Industrial Wastewater Sampling Vault
- ⊕ Floor Drain

NW Fauntleroy St.



City of Rexburg Wastewater Department

Industrial Wastewater Discharge Application

Appendix D

Production Flow Diagram
(Workflow of Products or Services)

The production flow diagram is a flow chart that illustrates the industrial processes from raw products coming in, through finished products going out. Include in the diagram the following as it pertains to the facility:

- General process steps
- General auxiliary processes such as air scrubbers, boilers and HVAC.
- Identify chemicals used in each process step
- Wastes generated by each step (liquid, solid or gas).

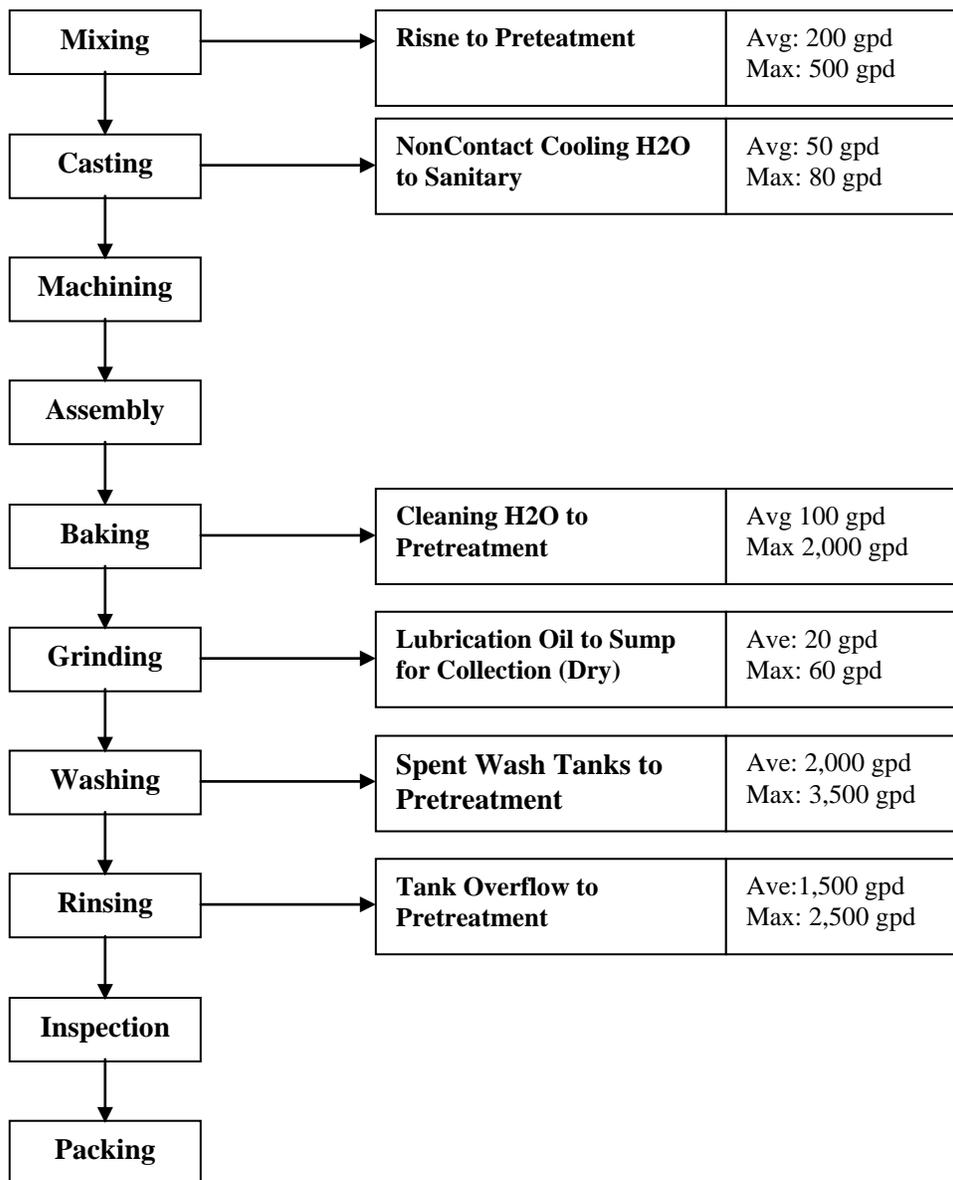
Ensure that labels or titles used in the Manufacturing Floor Plan match the titles or labels used in the Production Flow Diagram. Include all process steps in the Flow Diagram.

City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

Appendix D

Production Flow Diagram with Discharge Points

Slice 'n Dice Chip Manufacturing



City of Rexburg Wastewater Department
Industrial Wastewater Discharge Application

Appendix E

Water Balance Table/Diagram

Water Balance Worksheet information, (Page 11) .

The water balance worksheet and flowchart track the amount of water entering a facility and the amounts used in each process and auxiliary process and the final disposition of the water (i.e. sanitary sewer, pretreatment system, storm system). An example of a water balance flowchart is in appendix E.

List the average and maximum daily flows. (Indicate the number of days per month used to calculate the average flows.

Please check off all processes which consume incoming water or have some type of discharge.

Be sure to include any of the following:

Sanitary wastestream (*domestic, non-process related uses such as restrooms
lunchrooms, and drinking fountains*)

All process streams

Non-contact cooling/chiller makeup/blowdown water

Water lost to evaporation

Boiler makeup/blowdown water

High purity water discharge

Reverse osmosis/de-ionized/de-mineralized backwash process & reject water

Fire suppression/sprinkler makeup water

Air scrubber water

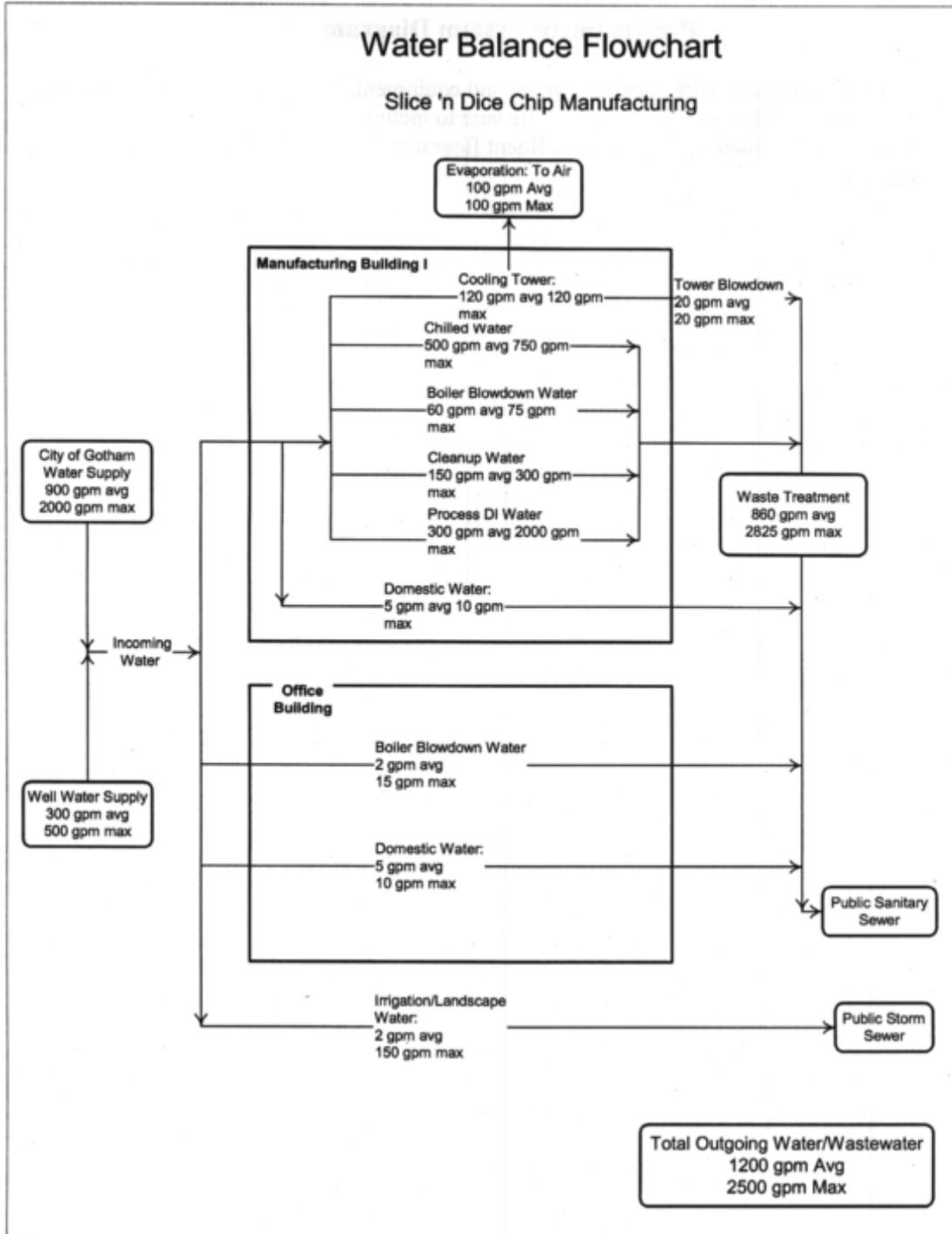
Irrigation/landscape water

Water lost or used up in product

Any other water uses _____

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Industrial Wastewater Discharge Application

Appendix E



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Industrial Wastewater Discharge Application

Appendix F

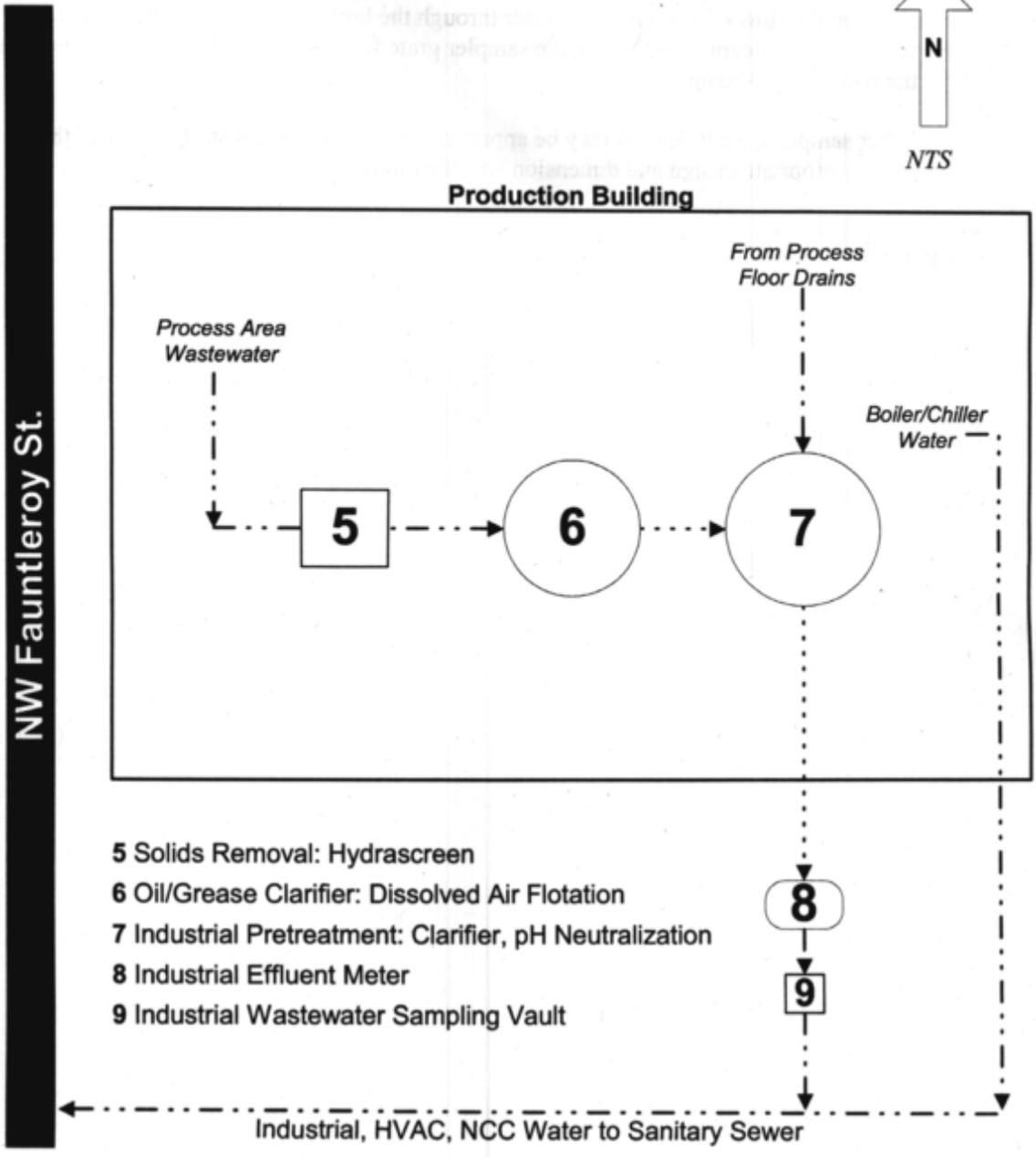
Pretreatment System Diagram

Show all processes, with pertinent piping and equipment, which relate to the treatment of process or non-domestic wastewaters. Be sure to include relative location of pH monitoring and meters, wastewater effluent flow meters and the industrial wastewater-sampling vault.

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Appendix F

Pretreatment System Diagram
ICY HOT PACKING, INC



City of Rexburg Wastewater Department

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Appendix G

Sample Vault Diagram

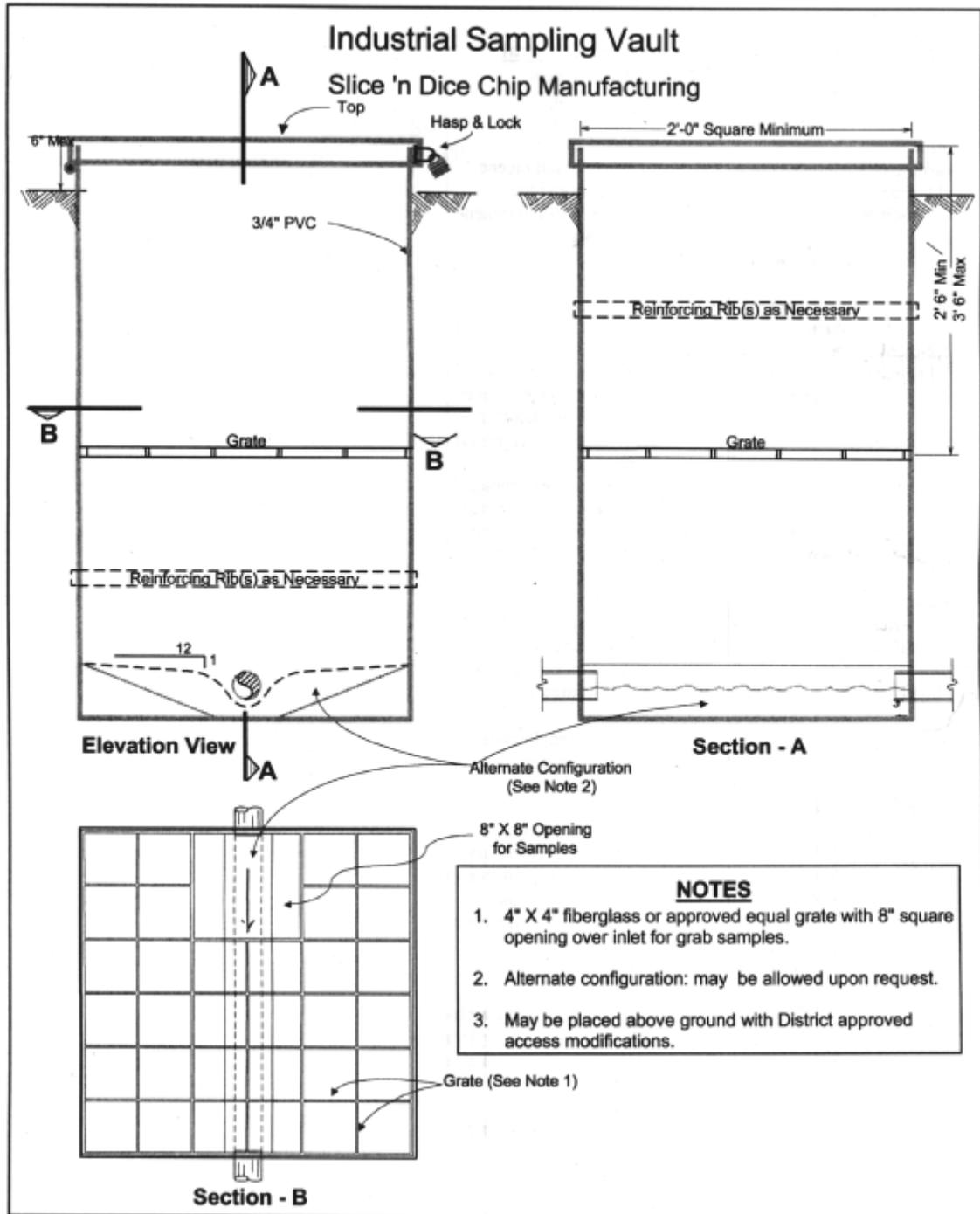
Appendix G details a City approved industrial sampling vault. Note Section A showing the flow of process wastewater through the bottom of the vault. Section B features the off-center opening in the sampler grate for placement of the sampler probe in the wastewater stream.

Other sampling vault designs may be approved by Source Control staff, provided they meet appropriate design and dimension specifications.

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Industrial Wastewater Discharge Application

Appendix G

Industrial Sampling Vault



*** TOXIC ORGANICS LIST- 40 CFR PART 12Z APPENDIX D**

TABLE II - ORGANIC TOXIC POLLUTANTS IN EACH OF FOUR FRACTIONS IN ANALYSIS BY GAS CHROMATOGRAPHY/MASS SPECTROSCOPY (GS/MS)

Volatiles

acrolein
acrylonitrile
benzene
bromoform
carbon tetrachloride
chlorobenzene
chlorodibromomethane
chloroethane
2-chloroethylvinyl ether
chloroform
dichlorobromomethane
1, 1 -dichloroethane
1,2-dichloroethane
1, 1 -dichloroethylene
1,2-dichloropropane
1,3-dichloropropylene
ethylbenzene
methyl bromide
methyl chloride
methylene chloride
1, 1,2,2-tetrachloroethane
tetrachloroethylene
toluene
1,2-trans-dichloroethylene
1, 1, 1 -trichloroethane
1, 1,2-trichloroethane
trichloroethylene
vinyl chloride

Acid Compounds

2-chlorophenol
2,4-dichlorophenol
2,4-dimethylphenol
4,6-dinitro-o-cresol
2,4-dinitrophenol
2-nitrophenol
4-nitrophenol
p-chloro-m-cresol
pentachlorophenol
phenol
2,4,6-trichlorophenol

Base/Neutral

acenaphthene
acenaphthylene
anthracene
benzidine
benzo(a)anthracene
benzo(a)pyrene
3,4-benzofluoranthene
benzo(ghi)perylene
benzo(k)fluoranthene
bis(2-chloroethoxy)methane
bis(2-chloroethyl)ether
bis(2-chloroisopropyl)ether
bis(2-ethylhexyl)phthalate
4-bromophenyl phenyl ether
butylbenzyl phthalate
2-chloronaphthalene
4-chlorophenyl phenyl ether
chrysene
dibenzo(a,h)anthracene
1,2-dichlorobenzene
1,3-dichlorobenzene
1,4-dichlorobenzene
3,3'-dichlorobenzidine
diethyl phthalate
dimethyl phthalate
di-n-butyl phthalate
2,4-dinitrotoluene
2,6-dinitrotoluene
di-n-octyl I phthalate
1,2-diphenylhydrazine -
(as azobenzene)
fluoranthene
fluorene
hexachlorobenzene
hexachlorobutadiene
hexachlorocyclopentadiene
hexachloroethane
indeno(1,2,3-cd)pyrene
isophorone
naphthalene
nitrobenzene
N-nitrosodimethylamine
N-nitrosodi-n-propylamine
N-nitrosodiphenylamine
phenanthrene
pyrene
1,2,4-trichlorobenzene

Pesticides

aldrin
alpha-BHC
beta-BHC
gamma-BHC
delta-BHC
chlordane
4,4'-DDT
4,4'-DDE
4,4'-DDD
dieldrin
alpha-endosulfan
beta-endosulfan
endosulfan sulfate
endrin
endrin aldehyde
heptachlor
heptachlor epoxide
PCB-1242
PCB-1254
PCB- 1221
PCB-1232
PCB-1248
PCB- 1260
PCB-1016
toxaphene
45B pyrene
46B 1,2,4-trichlorobenzene

- *Provided for Reference Purposes Only*