

# Application for a State Waste Discharge Permit to Discharge Industrial Wastewater to Ground Water by Land Treatment or Application

This application is for a state waste discharge permit as required by Chapter 90.48 RCW and Chapter 173-216 WAC. Permit applications provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, the flow characteristics of the discharge, and the site characteristics at the point of discharge.

Ecology may request additional information to clarify the conditions of this discharge. The applicant should reference information previously submitted to Ecology that applies to this application in the appropriate section.

## SECTION A. GENERAL INFORMATION

- 1. Applicant name: Snow & Sons Produce Co.
- 2. Facility name:  
(if different from applicant) \_\_\_\_\_
- 3. Applicant mail address: 521 Wellinck Rd.  
Street  
Outlook WA 98938  
City/State Zip
- 4. Facility location address:  
(if different from above) \_\_\_\_\_  
Street  
\_\_\_\_\_  
City/State Zip
- 5. UBI No. 399003097 Sometimes called a registration, tax, "C," or resale number, the Unified Business Identifier (UBI) number is a nine-digit number used to identify persons engaging in business activities. The number is assigned when a person completes a Master Business Application to register with or obtain a license from state agencies. The Departments of Revenue, Licensing, Employment Security, Labor and Industries, and the Corporations Division of the Secretary of State are among the state agencies participating in the UBI program.
- 6. Latitude/longitude of the processing facility as decimal degrees (NAD83/WGS84):  
46.33958 / -120.11632

FOR ECOLOGY USE ONLY

Check One

Date application received

Date application accepted

DEPARTMENT OF ECOLOGY  
CENTRAL REGIONAL OFFICE

RECEIVED

March 14, 2023

7. Person to contact who is familiar with the information contained in this application:

Scott Thomas

Name

manager

Title

509 840-9544

Telephone number

Fax number

8. Check One:

**Permit renewal** (including renewal of temporary permits authorized by RCW 90.48.200)

Does this application request a greater amount of wastewater discharge, a greater amount of pollutant discharge, or a discharge of different pollutants than specified in the last permit application for this facility?  YES  NO

For permit renewals, the current permit is an attachment, by reference, to this application.

**Permit modification**

**Existing unpermitted discharge**

**Proposed discharge**

**Anticipated date of discharge:** \_\_\_\_\_

*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 a fine and/or imprisonment for knowing violations.*

Steven R Thomas

Signature\*

8/10/23

Date

President

Title

Steven R. Thomas

Printed name

\*Applications must be signed as follows: Corporations, by a principal executive officer of at least the level of vice-president; partnership, by a general partner; sole proprietorship, by the proprietor. If these titles do not apply to your organization, the person who makes budget decisions for this facility must sign the application.

The application signatory may delegate signature authority for submittals required by the permit, such as monthly reports, to a suitable employee. You can delegate this authority to a qualified individual or to a position, which you expect to fill with a qualified individual. If you wish to delegate signature authority, please complete the following:

Signature of delegated employee

Date

Title or function at the facility

Printed name

## SECTION B. PRODUCT INFORMATION

- Briefly describe all manufacturing processes and products, and/or commercial activities at this facility. Provide the applicable Standard Industrial Category (SIC) and the North American Industry Classification System (NAICS) Code(s) for each activity (see *North American Industrial Classification System*, 2007 ed.). You can find the 1997 NAICS codes and the corresponding 1987 Standard Industry Category (SIC) codes at (<http://www.census.gov/epcd/naics/frames3.htm>).

Description:

We brine cherries in a solution, size, sort and pack them for sale.

\*Our company stopped packing Asparagus in 2022, we have no plans to resume in the future.

- List raw materials and products:

Type	RAW MATERIALS	Quantity
Potatoes (Example)		20 million tons per year
Type	PRODUCTS	Quantity
French fries (Example)		10 million pounds per year
brined cherries		8 million pounds per year

**SECTION C. PLANT OPERATIONAL CHARACTERISTICS**

1. For each process listed in B.1 that generates wastewater, list the process, assign the waste stream a name and ID #, and describe whether it is a batch or continuous flow.

Process	Waste Stream Name	Waste Stream ID#	Batch (B) or Continuous (C) Process
<i>Receiving raw potatoes (Example)</i>	<i>Mud Water</i>	<i>1</i>	<i>C</i>
<i>Brined cherries</i>	<i>Sizer water</i>	<i>1</i>	<i>C</i>
<i>Brined cherries</i>	<i>Pitter water</i>	<i>2</i>	<i>C</i>

2. On a separate sheet, produce a schematic drawing showing production processes and water flow through the facility and wastewater treatment devices (label as attachment C2). The drawing should indicate the source of intake water and the operations contributing wastewater to the effluent and should label the treatment units. Construct the water balance by showing average flows between intakes, operations, treatment units, and points of discharge to land. If a water balance cannot be determined (e.g., for certain mining activities), provide a description of the nature and amount of any sources of water and any collection or treatment measures.

3. What is the highest daily discharge flow from the processing facility: 9270 gallons per day  
 (Specify the time period for the value given) Sept. - Feb.

What is the highest daily discharge flow to the sprayfields/infiltration basin: 9270 inches/acre/month OR  
 (Specify the time period for the value given) gallons per day

What is the highest average monthly discharge flow (daily flows averaged over a month) from the processing facility: 185,400 gallons/day? month  
 (Specify the time period for the value given)

What is the highest average monthly discharge flow to the sprayfields: 185,400 inches/acre/month OR  
 (Specify the time period for the value given) gallons per day

4. Describe any planned wastewater treatment or sprayfield/infiltration improvements and the schedule for the improvements or changes. (Use additional sheets, if necessary and label as attachment C4.)  
No water treatment is used. The wastewater is disposed of on sprayfield

5. If production processes are subject to seasonal variations, provide the following information. List discharge for each wastestream in gallons or million gallons per month. The combined value for each month should equal the estimated total monthly flow. Please indicate the proper unit by checking one of the following boxes:

gallons per day  gallons per month  million gallons per month

Waste Stream ID#	MONTHS											
	J	F	M	A	M	J	J	A	S	O	N	D
#1 (Example)	1000	1000	1000	1000	6000	2000	2000	2000	1000	1000	5000	4000
#1 Sizer	126000	126000	126000	126000				112650	126000	126000	126000	126000
#2 Pittor	118800	118800	118800	118800	118800	118800			118800	118800	118800	118800
Estimated total gallons	134800	134800	134800	134800	118800	118800		126650	134800	134800	134800	134800

6. If this is a discharge from the processing facility to a storage or evaporative lagoon, what is the size of the lagoon (give square footage for the bottom of the lagoon and the total volume of the lagoon at full operating depth). 10,000 square feet; 10 million gallons (Example)

— 5,500 ft<sup>2</sup> 144,000 gallons

7. Check the applicable box. Is this a discharge to a sprayfield  or an infiltration bed ? Provide the average gallons per acre per day proposed for each month in the following table.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept.	Oct	Nov	Dec
Estimated gallons per acre per day	4,000	4,000	5,000	5,000	8,000	8,000	8,000	8,000	5,000	5,000	5,000	4,000

8. How many hours a day does this facility typically operate? 8  
 How many days a week does this facility typically operate? 5  
 How many weeks per year does this facility typically operate? 52

9. List all incidental materials such as oil, paint, grease, solvents, and cleaners that are used or stored on site (list only those with quantities greater than 10 gallons for liquids and 50 pound quantities for solids). For solvents and solvent-based cleaners, include a copy of the material safety data sheet for each material and estimate the quantity used. Use additional sheets, if necessary and label as attachment C.7.)

55 gallon drum hydraulic oil, stored in garage  
 55 gallon drum motor oil

Materials/Quantity Stored:

- |     |   | Yes                      | No                                  |
|-----|---|--------------------------|-------------------------------------|
| 10. | Some types of facilities are required to have spill or waste control plans. Does this facility have:          |                          |                                     |
| a.  | A spill prevention, control, and countermeasure plan (40 CFR 112)?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b.  | An Oil Spill Contingency Plan (chapter 173-182 WAC)?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c.  | An emergency response plan (per WAC 173-303-350)?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d.  | A runoff, spillage, or leak control plan (per WAC 173-216-110(f))?  | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e.  | Any spill or pollution prevention plan required by local, state or federal authorities? If yes specify: _____ | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| f.  | A solid waste control plan?   | <input type="checkbox"/> | <input checked="" type="checkbox"/> |



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## SECTION E. WASTEWATER INFORMATION

1. How are the water intake and effluent flows measured?

Intake: *The 2 wells are not metered*

Effluent *The water collected is all used to irrigate the field, it is not measured*

2. Describe the collection method for the samples analyzed below. (*i.e.*, grab, 24-hour composite). Applicants must collect grab samples (not composites) for analysis of pH, temperature, cyanide, total phenols, residual chlorine, oil and grease, fecal coliform (including *E. coli*), and Enterococci (previously known as fecal streptococcus at § 122.26 (d)(2)(iii)(A)(3)), or volatile organics.

3. Has the effluent been analyzed for any other parameters than those identified in question E.4.?  YES  NO  
If yes, attach results and label as attachment E.4. This data must clearly show the date, method and location of sampling. (*Note: Ecology may require additional testing.*)

4. Provide measurements or range of measurements for treated wastewater prior to discharge to the POTW for the parameters with an "X" in the left column. If you obtain the application from the internet, contact Ecology's regional office to see if testing for a subset of these parameters is permissible. All analyses (except pH) must be conducted by a laboratory registered or accredited by Ecology (WAC 173-216-125). If this is an application for permit renewal, provide data for the last year for those parameters that are routinely measured. For parameters measured only for this application, place the values under "Maximum." Report the values with units as specified in the parameter name or in the detection level.

The Permittee must use the specified analytical methods, detection limits (DLs) and quantitation levels (QLs) in the following table unless Ecology approves an alternate method or the method used produces measurable results in the sample and EPA has listed it as an EPA approved method in 40 CFR Part 136. If the Permittee uses an alternative method as allowed above, it must report the test method, DL, and QL on the discharge monitoring report or in the required report.

*The water is not treated.*

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 <sup>th</sup> , 20 <sup>th</sup> edition of EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	BOD (5 day)				SM 5210 B	/2 mg/l	
	COD				SM 5220 D	/10 mg/l	
	Total suspended solids				SM 2540 D	/5 mg/l	
	Fixed Dissolved Solids				SM 2540 E		
	Total dissolved solids				SM 2540 C		
	Conductivity (micromhos/cm)				SM 2510 B		
	Ammonia-N as N				SM 4500-NH <sub>3</sub> C	/0.3 mg/L	
	pH				SM 4500-H	0.1 standard units	
	Fecal coliform (organisms/100 mL)				SM 9221 E or 9222 D		
	Total coliform (organisms/100 mL)				SM 9221 B or 9222 B		
	Dissolved oxygen				SM 4500-O C/G		
	Nitrate + nitrite-N as N				SM 4500-NO <sub>3</sub> E	100 µg/L	
	Total kjeldahl N as N				SM 4500-N <sub>org</sub> C/E/FG	300 µg/l	
	Ortho-phosphate-P as P				SM 4500-P E/F	10 µg/l	
	Total-phosphorous-P as P				SM 4500-P E/P/F	10 µg/l	
	Total Oil & grease				EPA 1664A	1.4/5 mg/l	
	NWTPH - Dx				Ecology NWTPH Dx	250/250 µg/l	
	NWTPH - Gx				Ecology NWTPH Gx	250/250 µg/l	
	Calcium				EPA 200.7	10 µg/l	
	Chloride				SM 4500-Cl C	0.15 µg/l	
	Fluoride				SM 4500-F E	.025/0.1 mg/l	
	Magnesium				EPA 200.7	10/50 µg/l	
	Potassium				EPA 200.7	700/ µg/l	
	Sodium				EPA 200.7	29/ µg/l	
	Sulfate				SM 4500-SO <sub>4</sub> C/D	/200 µg/l	
	Alkalinity as CaCO <sub>3</sub>				SM 2320 B	/5 mg/L as CaCO <sub>3</sub>	

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 <sup>th</sup> , 20 <sup>th</sup> edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	Arsenic (total)				EPA 200.8	0.1/0.5 µg/l	
	Barium (total)				EPA 200.8	0.5/2 µg/l	
	Cadmium (total)				EPA 200.8	.05/.25 µg/l	
	Chromium (total)				EPA 200.8	0.2/1 µg/l	
	Copper (total)				EPA 200.8	0.4/2 µg/l	
	Iron (total)				EPA 200.7	12.5/50 µg/l	
	Lead (total)				EPA 200.8	0.1/.5 µg/l	
	Manganese (total)				EPA 200.8	0.1/0.5 µg/l	
	Mercury (total) pg/L				EPA 1631E	0.2/0.5 pg/l	
	Molybdenum (total)				EPA 200.8	0.1/0.5 µg/l	
	Nickel (total)				EPA 200.8	0.1/0.5 µg/l	
	Selenium (total)				EPA 200.8	1/1 µg/l	
	Silver (total)				EPA 200.8	.04/.2 µg/l	
	Zinc (total)				EPA 200.8	0.5/2.5 µg/l	

Detection level (DL) or detection limit means the minimum concentration of an analyte (substance) that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero as determined by the procedure given in 40 CFR part 136, Appendix B.

Quantitation Level (QL) also known as Minimum Level of Quantitation (ML) – The lowest level at which the entire analytical system must give a recognizable signal and acceptable calibration point for the analyte. It is equivalent to the concentration of the lowest calibration standard, assuming that the lab has used all method-specified sample weights, volumes, and cleanup procedures. The QL is calculated by multiplying the MDL by 3.18 and rounding the result to the number nearest to (1, 2, or 5) x 10<sup>n</sup>, where n is an integer. (64 FR 30417).

ALSO GIVEN AS:

The smallest detectable concentration of analyte greater than the Detection Limit (DL) where the accuracy (precision & bias) achieves the objectives of the intended purpose. (Report of the Federal Advisory Committee on Detection and Quantitation Approaches and Uses in Clean Water Act Programs Submitted to the US Environmental Protection Agency December 2007).

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5. Does this facility use any of the following chemicals as raw materials in production, produce them as part of the manufacturing process, or are they present in the wastewater? (*The number following the chemical name is the Chemical Abstract Service (CAS) reference number to aid in identifying the compound.*)  YES  NO

If yes, specify how the chemical is used and the quantity used or produced (*Use additional sheets, if necessary and label as attachment E5.*):

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Acrylamide/79-06-1	Nitrofurazone/59-87-0	Heptachlor/76-44-8
Acrylonitrile/107-13-1	N-nitrosodiethanolamine/ 1116-54-7	Heptachlor epoxide/1024-57-3
Aldrin/309-00-2	N-nitrosodiethylamine/55-18-5	Hexachlorobenzene/118-74-1
Aniline/62-53-3	N-nitrosodimethylamine/62-75-9	Hexachlorocyclohexane (alpha)/319-84-6
Aramite/140-57-8	N-nitrosodiphenylamine/86-30-6	Hexachlorocyclohexane (tech.)/608-73-1
Arsenic/7440-38-2	N-nitroso-di-n-propylamine/ 621-64-7	Hexachlorodibenzo-p-dioxin, mix/19408-74-3
Azobenzene/103-33-3	N-nitrosopyrrolidine/930-55-2	Hydrazine/hydrazine sulfate/ 302-01-2
Benzene/71-43-2	N-nitroso-di-n-butylamine/ 924-16-3	Lindane/58-89-9
Benzidine/92-87-5	N-nitroso-n-methylethylamine/10595-95-6	2 Methylaniline/100-61-8
Benzo(a)pyrene/50-32-8	PAH/NA	2 Methylaniline hydrochloride/636-21-5
Benzotrichloride/98-07-7	PBBs/NA	4,4' Methylene bis(N,N-dimethyl)aniline/101-61-1
Benzyl chloride/100-44-7	PCBs/1336-36-3	Methylene chloride (dichloromethane)/75-09-2
Bis(chloroethyl)ether/111-44-4	1,2 Dichloropropane/78-87-5	Mirex/2385-85-5
Bis(chloromethyl)ether/542-88-1	1,3 Dichloropropene/542-75-6	O-phenylenediamine/106-50-3
Bis(2-ethylhexyl) phthalate/ 117-81-7	Dichlorvos/62-73-7	Propylene oxide/75-56-9
Bromodichloromethane/75-27-4	Dieldrin/60-57-1	2,3,7,8-Tetrachlorodibenzo-p-dioxin/1746-01-6
Bromoform/75-25-2	3,3' Dimethoxybenzidine/119-90-4	Tetrachloroethylene/127-18-4
Carbazole/86-74-8	3,3 Dimethylbenzidine/119-93-7	2,4 Toluenediamine/95-80-7
Carbon tetrachloride/56-23-5	1,2 Dimethylhydrazine/540-73-8	o-Toluidine/95-53-4
Chlordane/57-74-9	2,4 Dinitrotoluene/121-14-2	Toxaphene/8001-35-2
Chlorodibromomethane/124-48-1	2,6 Dinitrotoluene/606-20-2	Trichloroethylene/79-01-6
Chloroform/67-66-3	1,4 Dioxane/123-91-1	2,4,6-Trichlorophenol/88-06-2
Chlorthalonil/1897-45-6	1,2 Diphenylhydrazine/122-66-7	Trimethyl phosphate/512-56-1
2,4-D/94-75-7	Endrin/72-20-8	Vinyl chloride/75-01-4
DDT/50-29-3	Epichlorohydrin/106-89-8	
Diallate/2303-16-4	Ethyl acrylate/140-88-5	
1,2 Dibromoethane/106-93-4	Ethylene dibromide/106-93-4	
1,4 Dichlorobenzene/106-46-7	Ethylene thiourea/96-45-7	
3,3' Dichlorobenzidine/91-94-1	Folpet/133-07-3	
1,1 Dichloroethane/75-34-3	Furmecyclo/60568-05-0	
1,2 Dichloroethane/107-06-2		

6. Are any other pesticides, herbicides, or fungicides used at this facility?  YES  NO  
If yes, specify the material and quantity used.

7. Are there other pollutants that you know of or believe to be present?  YES  NO

If yes, specify the pollutants and their concentration if known  
(attach laboratory analyses if available).  DON'T KNOW

## Well Construction & Licensing

### Well Report Search Results

 [Edit Search Criteria](#)

 [New Search](#)

**Search Criteria Used:**

- Left Coordinate: 1737160
- Right Coordinate: 1737160
- Top Coordinate: 367280
- Bottom Coordinate: 367283
- Well Type: Water

Displaying well reports of

Sort results by:

Well Owner Name 

Results Per Page:

25 

No Well Reports were found matching the search criteria provided. Please try your search again.

**Search tips:**

- Use less search criteria. The vast majority of well reports contain only the following index values:
  - Owner Name (the name of the property owner at the time the well was constructed)
  - Depth
  - Casing Diameter (a.k.a Well Diameter)
  - Well Completion Date
  - Township, Range, Section
  - County
- Try using only part of the owner's name or street address. For Example, instead of "123 Main Street", try "123 Main"

**Total Result Pages:**

## SECTION F. GROUND WATER INFORMATION

Provide available data measurements or range of measurements from monitoring wells or supply wells in the area of discharge. Provide the analytical method and detection limit, if known. Provide the location of each well on the map required in G.3 below. Attach well logs when available. Copy this page as necessary for each well. Provide the latitude and longitude in decimal format.

Ecology Well Tag ID # \_\_\_\_\_  
*(example AAB123)*

Well ID # \_\_\_\_\_ *(example MW-1)*

Latitude: 46.33958

Longitude: -120.11632

Well Elevation (to the nearest 0.01 feet) \_\_\_\_\_ Check the appropriate box; the elevation measurement is relative to: the NAVD88 standard  mean sea level

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
BOD (5 day)	mg/L				
COD	mg/L				
Total organic carbon	mg/L				
Total dissolved solids	mg/L				
Dissolved Fixed Solids	mg/L				
pH	Standard units				
Conductivity	(micromhos/cm)				
Alkalinity	mg/L as CaCO <sub>3</sub>				
Total hardness	mg/L				
Fecal coliform	organisms/100mL				
Total coliform	organisms/100mL				
Dissolved oxygen	mg/L				
Ammonia-N	mg/L				
Nitrate + nitrite-N, nitrate as N	mg/L				
Total kjeldahl N as N	mg/L				
Ortho-phosphate-P as P	mg/L				
Total-phosphate-P as P	mg/L				
Total Oil and Grease	mg/L				
Total petroleum hydrocarbon	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Calcium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chloride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Fluoride	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Magnesium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Potassium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sodium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Sulfate	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Barium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Cadmium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Chromium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Copper	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Iron	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Lead	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Manganese	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				

Parameter	Units	Range of Measurements	Number of Analyses	Analytical Method	Detection Limit
Mercury	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Selenium	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Silver	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Zinc	<input type="checkbox"/> mg/L <input type="checkbox"/> µg/l				
Depth to water level (to the nearest .01 feet)					

## SECTION G. SITE ASSESSMENT

The local library and local city or county planning offices may be helpful in providing the information required in this section. You may consult the Department of Ecology Water Resources Program to help identify wells within one mile of your site.

1. Land Application Sites: Provide the information below for each land application site. Provide the latitude/longitude (approximate center of the site; NAD83/WGS84 reference datum.) Attach a copy of the contract(s) authorizing use of any private land(s) used for each treatment site. Add table rows as necessary.

Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
46.33958	-120.11632	26 acres	Steven Thomas
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner
Legal Description (section/township/range)			
Latitude	Longitude	Acreage	Owner

2. If this is a new discharge, list all environmental control permits or approvals needed for this project; for example, SEPA review, engineering reports, hydrogeologic reports, , , or air emissions permits.


3. Attach an original United States Geological Survey (USGS) 7.5 minute topographic map and aerial photograph(s) from an internet mapping site that shows the processing facility and sprayfield site(s). **USGS topographical maps are available from the Department of Natural Resources (360 902-1234), Metsker Maps (206 588-5222), some local bookstores, and internet sites.** Show the following on this map:
  - a. Location and name of internal and adjacent streets.
  - b. Surface water drainage systems within ¼ mile of the site.
  - c. All wells within 1 mile of the site.
  - d. Wastewater discharge points.
  - e. Land uses and zoning adjacent to the wastewater application site.
  - f. Groundwater gradient.
4. Describe the soils on the site using information from local soil survey reports. **Soils information is available from your local County Conservation District or from information contained in the sites hydrogeologic report.** (Submit on separate sheet and label as attachment G.4.)
5. Describe the local geology and hydrogeology within one mile of the site. Include any groundwater quality data. **The local library or local Soil Conservation Service may have this information.** (Submit on separate sheet and label as attachment G.5.)
6. List the names and addresses of contractors or consultants who provided information and cite sources of information by title and author.

no information found

#4. Soil information surveyed by Gilbert Newhouse from Blehyls

Soil Map—Yakima County Area, Washington



Map Scale: 1:3,410. If printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 10N WGS84



## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service  
 Web Soil Survey URL:  
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Yakima County Area, Washington  
 Survey Area Data: Version 23, Aug 29, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 26, 2022—Aug 5, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

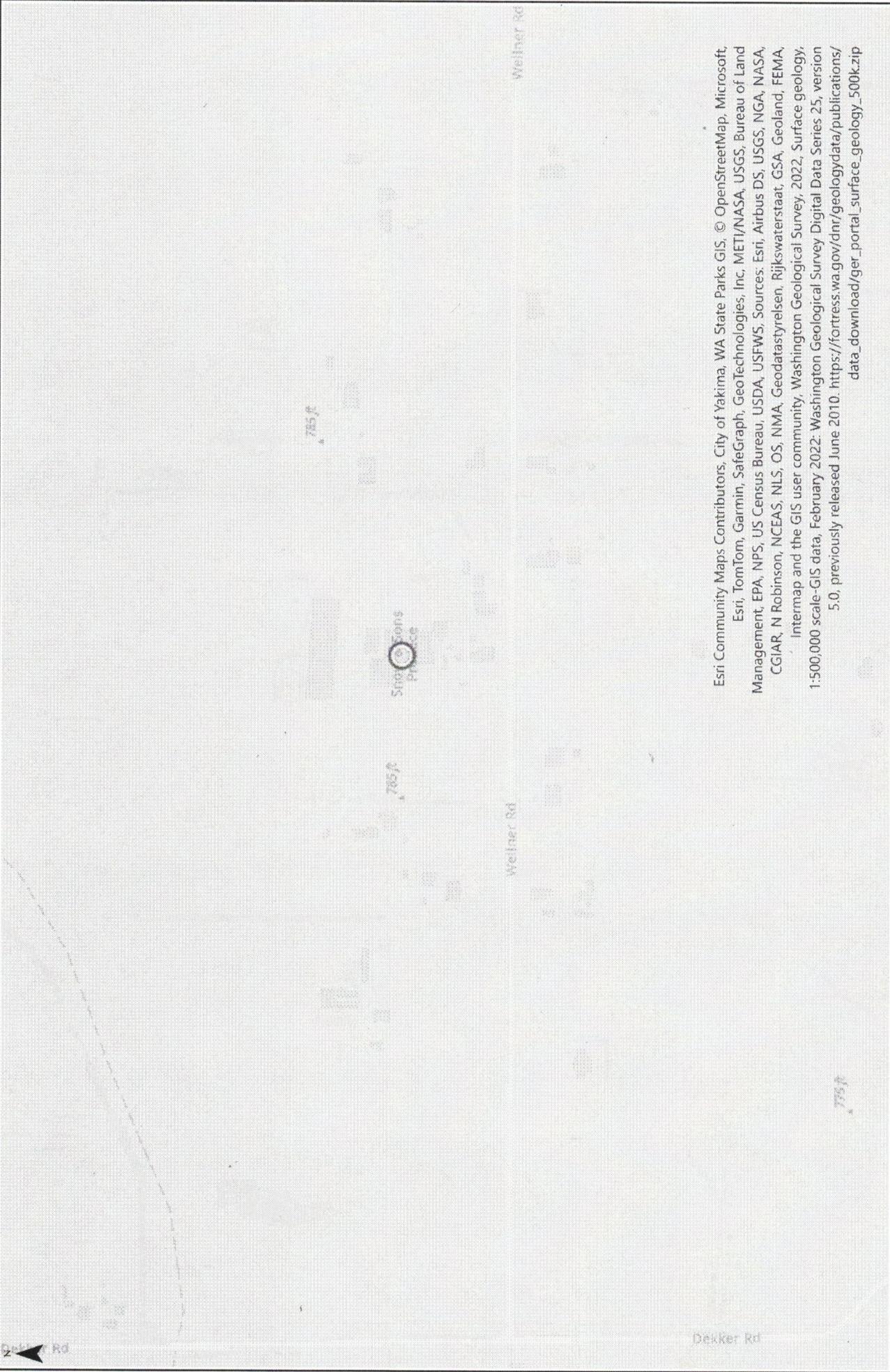
## MAP LEGEND

- Area of Interest (AOI)
- Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points
- Special Point Features**
  - Blowout
  - Borrow Pit
  - Clay Spot
  - Closed Depression
  - Gravel Pit
  - Gravelly Spot
  - Landfill
  - Lava Flow
  - Marsh or swamp
  - Mine or Quarry
  - Miscellaneous Water
  - Perennial Water
  - Rock Outcrop
  - Saline Spot
  - Sandy Spot
  - Severely Eroded Spot
  - Sinkhole
  - Slide or Slip
  - Sodic Spot
- Water Features**
  - Streams and Canals
- Transportation**
  - Rails
  - Interstate Highways
  - US Routes
  - Major Roads
  - Local Roads
- Background**
  - Aerial Photography
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

## Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
176	Warden silt loam, 0 to 2 percent slopes	19.8	40.5%
177	Warden silt loam, 2 to 5 percent slopes	29.0	59.5%
<b>Totals for Area of Interest</b>		<b>48.8</b>	<b>100.0%</b>

# Map Title



Wellner Rd

Dekker Rd

785 ft

785 ft

775 ft

Esri Community Maps Contributors, City of Yakima, WA State Parks GIS, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Washington Geological Survey, 2022, Surface geology, 1:500,000 scale-GIS data, February 2022- Washington Geological Survey Digital Data Series 25, version 5.0, previously released June 2010. [https://fortress.wa.gov/dnr/geologydata/publications/data\\_download/ger\\_portal\\_surface\\_geology\\_500k.zip](https://fortress.wa.gov/dnr/geologydata/publications/data_download/ger_portal_surface_geology_500k.zip)

Approximate Scale : 1:5,049



3/14/2024 9:26 AM

Coordinate System: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet



WASHINGTON STATE DEPT OF  
**NATURAL  
RESOURCES**

Extreme care was used during the compilation of this map to ensure accuracy. However, due to changes in data and the need to rely on outside information, the Department of Natural Resources cannot accept responsibility for errors or omissions, and therefore, there are no warranties which accompany this material.

### Notes

### Additional Information

Date: April 28, 2021  
 Report No: 72420  
 Grower: Snow & Sons  
 Client: Bleyhl Sunnyside  
 Sampler: Gilbert Newhouse  
 Field: Wellner Rd.  
 Crop: Alfalfa  
 Sampled: 4/27/2021



Samples will be stored until  
 5/11/2021

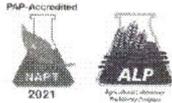
SOIL ANALYSIS REPORT																							
Lab #	Depth inches Soil: 0-12	Sample ID	NO3-N		NH4-N		P		K	Ca	Mg	Na	SO4-S	B	Zn	Mn	Cu	Fe	pH	SMP pH	Soluble Salts 1:1 mg/100g	OM %	Effervescence Free Lime
			KCl lb/100	ppm	KCl lb/100	ppm	Olsen ppm	Bray ppm															
1804	0 12		5	1.7	37	11.5	98		672	15.8	1.9	0.98	69	0.96	5.2	13	2.1	41	7.8		0.14	2.33	Medium

BASE SATURATION		
	meq/100 g	% Ideal Soil
Total Bases	20.4	
Calcium	15.8	77.5 65-75%
Magnesium	1.9	9.3 15-20%
Potassium	1.7	8.3 2-9%
Sodium	1.0	4.8 <1%

Fertilizer Recommendations

Nitrogen	Lbs per acre N
Phosphorus	Lbs per acre P2O5
Potassium	Lbs per acre K2O
Sulfur	Lbs per acre actual S
Boron	Lbs per acre actual B
Zinc	Lbs per acre actual Zn
Manganese	Lbs per acre actual Mn
Copper	Lbs per acre actual Cu
Iron	Lbs per acre actual Fe
Lime Requirement	Lbs per acre 100 % Lime Score material

Additional Parameters



KTL will make every effort to provide an accurate analysis. Liability is limited to the cost of the analysis and no other warranties, expressed or implied are given. Recommendations serve only as a general guide and should be adjusted to specific situations and conditions.

Main Office: 119 E Main St., Othello WA, 99344  
 Oregon Office: 1300 Sixth St., Suite J, Umatilla OR, 97882  
 Pasco Office: 1320 E Spokane St., Pasco WA, 99301

(509) 488-0112 info@kuotestinglabs.com

Date: April 28, 2021

Report No: 72420

Grower: Snow & Sons

Client: Bleyhl Sunnyside

Sampler: Gilbert Newhouse

Field: Wellner Rd.

Crop: Alfalfa

Sampled: 4/27/2021

Samples will be stored until

5/11/2021



A Matrix Sciences Company

Lab #	Depth		Sample ID	NO3-N KCl lbs/ac	NH4-N KCl lbs/ac	P Olsen ppm	K ppm	Ca Ammonium Acetate ppm	Mg ppm	Na meq/100g	B ppm	Zn DTPA ppm	Mn ppm	Cu ppm	Fe ppm	pH	SMP pH	Soluble Salts 1-1 mmho/cm	OM %	Effervescence Free Line
	Start	End																		
1804	0	12		5	37	98	672	15.8	1.9	0.98	69	5.2	13	2.1	41	7.8		0.14	2.33	Medium

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- Copper: Lbs per acre actual Cu
- Iron: Lbs per acre actual Fe
- Lime Requirement: Lbs per acre 100 % Lime Score material

Additional Parameters

PAP-Accredited



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## SECTION H. STORMWATER

1. Do you have coverage under the Washington State Industrial Stormwater NPDES General permit?  YES  NO  
If yes, please list the permit number here. \_\_\_\_\_
- If no, have you applied for coverage under the Washington State Industrial Stormwater NPDES general permit?  YES  NO

**Note:** If you answered "no" to both questions above, complete the following questions 2 through 8.

2. Describe the size of the stormwater collection area.
- a. Unpaved area 104,000 sq.ft.
  - b. Paved area 100,000 sq.ft.
  - c. Other collection areas (roofs) 30,000 sq.ft.
3. Does your facility's stormwater discharge to: *(Check all that apply)*
- Storm sewer system; name of storm sewer system *(operator)*:
  - Sanitary sewer
  - Directly to surface waters of Washington State *(e.g., river, lake, creek, estuary, ocean)*.  
Specify waterbody name \_\_\_\_\_
  - Indirectly to surface waters of Washington State *(i.e., flows over adjacent properties first)*.
  - Directly to ground waters of Washington State via:
    - Dry well
    - Drainfield - drains to a pond used for irrigation
    - Other
4. Areas with industrial activities at facility: *(check all that apply)*
- Manufacturing building
  - Material handling
  - Material storage
  - Hazardous waste treatment, storage, or disposal *(refers to RCRA, Subtitle C facilities only)*
  - Waste treatment, storage, or disposal
  - Application or disposal of wastewaters
  - Storage and maintenance of material handling equipment
  - Vehicle maintenance
  - Areas where significant materials remain
  - Access roads and rail lines for shipping and receiving
  - Other \_\_\_\_\_

5. Material handling/management practices

a. Types of materials handled and/or stored outdoors: *(check all that apply)*

Solvents

Hazardous wastes

Scrap metal

Acids or alkalies

Petroleum or petrochemical products

Paints/coatings

Plating products

Woodtreating products

Pesticides

Other *(please list)*: \_\_\_\_\_

b. Identify existing management practices employed to reduce pollutants in industrial storm water discharges: *(check all that apply)*

Oil/water separator

Detention facilities

Containment

Infiltration basins

Spill prevention

Operational BMPs

Surface leachate collection

Vegetation management

Overhead coverage

Other *(please list)*: \_\_\_\_\_

6. Attach a map showing stormwater drainage/collection areas, disposal areas and discharge points. This may be a hand drawn map if no other site map is available. Label this as attachment H.8.

## SECTION I. OTHER INFORMATION

1. Describe liquid or solid wastes generated that are not disposed of in the waste stream(s) and describe the method of disposal. For each type of waste, provide type of waste, name, address, and phone number of hauler.

no liquid waste

Solid waste - cherries that have gone bad, as well as leaves sorted out get put on the field and dug in for fertilizer

2. Describe any storage areas used for raw materials, products, and wastes.

bins with liners and bags hold product (brine chemizs)  
no raw materials or wastes stored

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### Summary of attachments that may be required for this application:

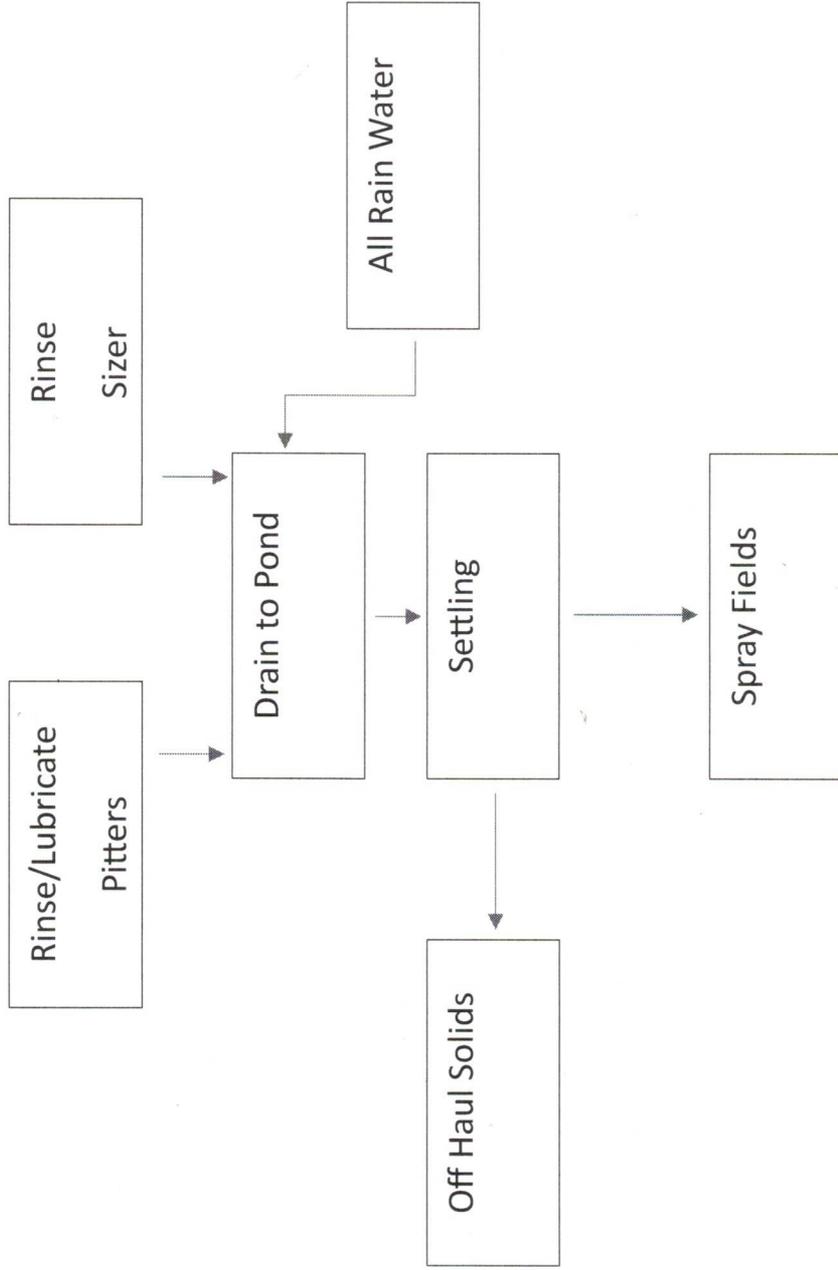
(Please check those attachments that are included)

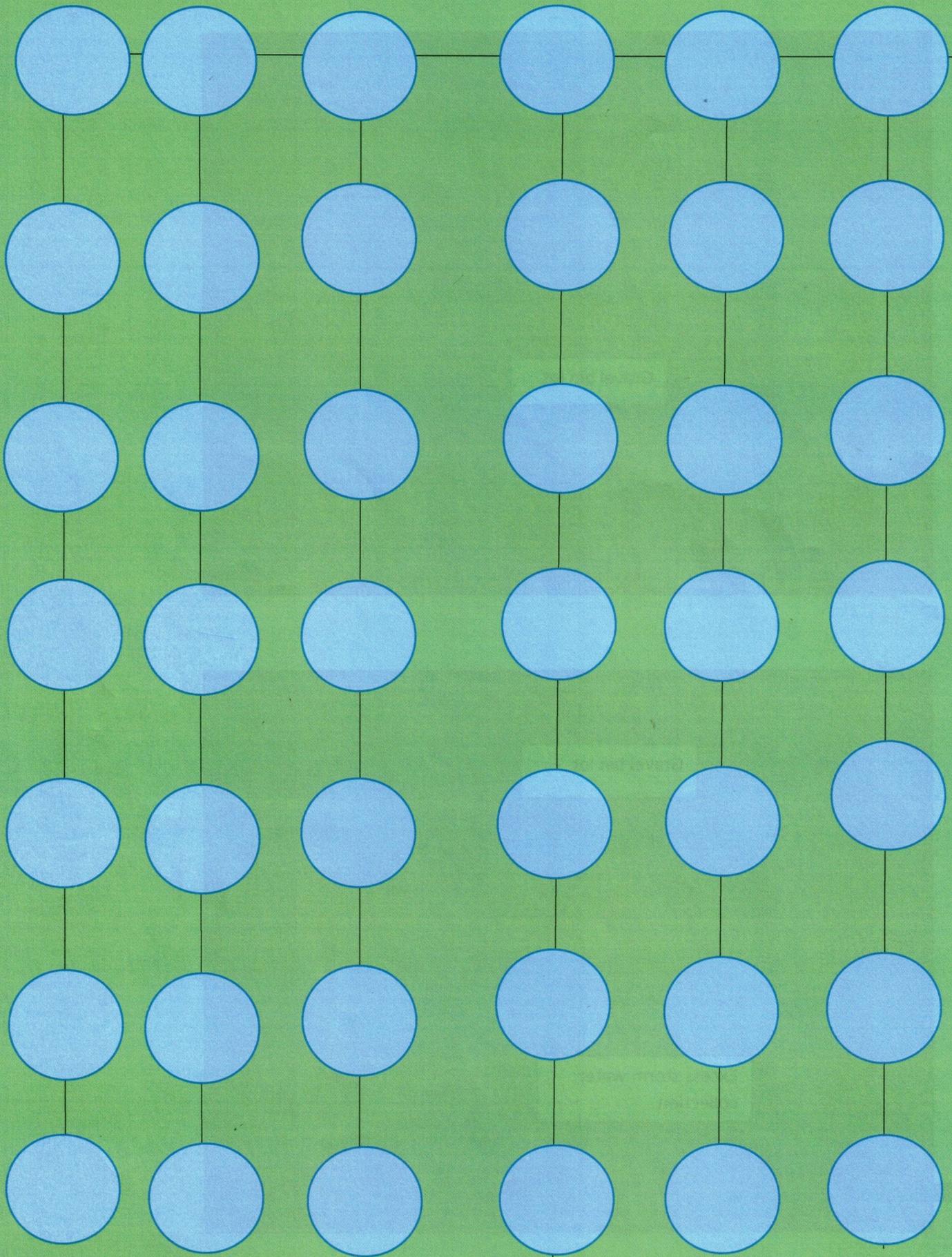
- C.2. Production schematic flow diagram and water balance
- C.4. Wastewater treatment improvements
- C.7. Additional incidental materials
- E.4. Additional results of effluent testing
- G.1. Copies of land use contracts
- G.3. USGS topographical map
- G.4. Soils description
- G.5. Local geology and hydrology
- H.8. Stormwater drainage map

*If you need this document in a format for the visually impaired, call the Water Quality Program at 360-407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.*

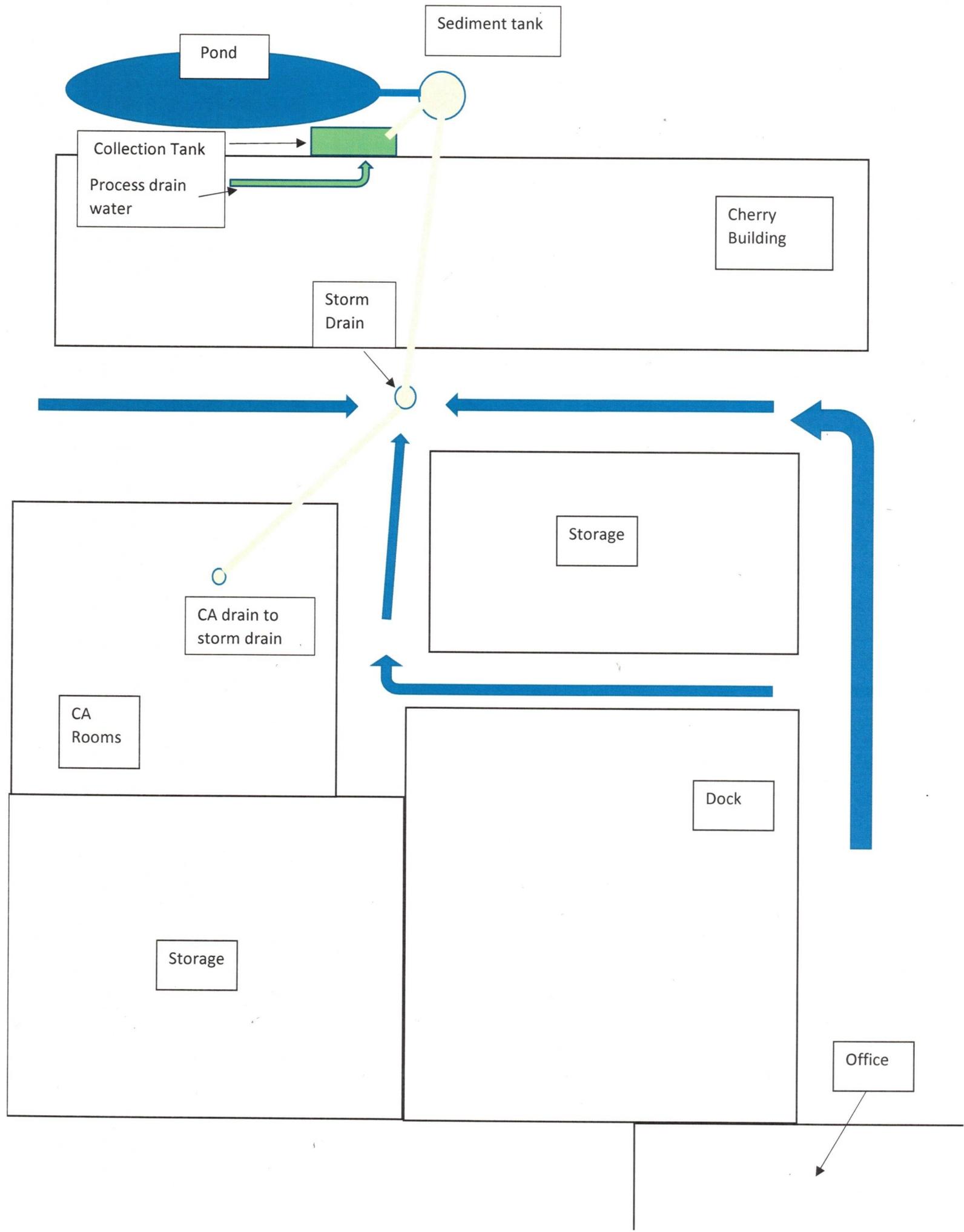
# Schematic Diagram Snow & Sons Produce Co.

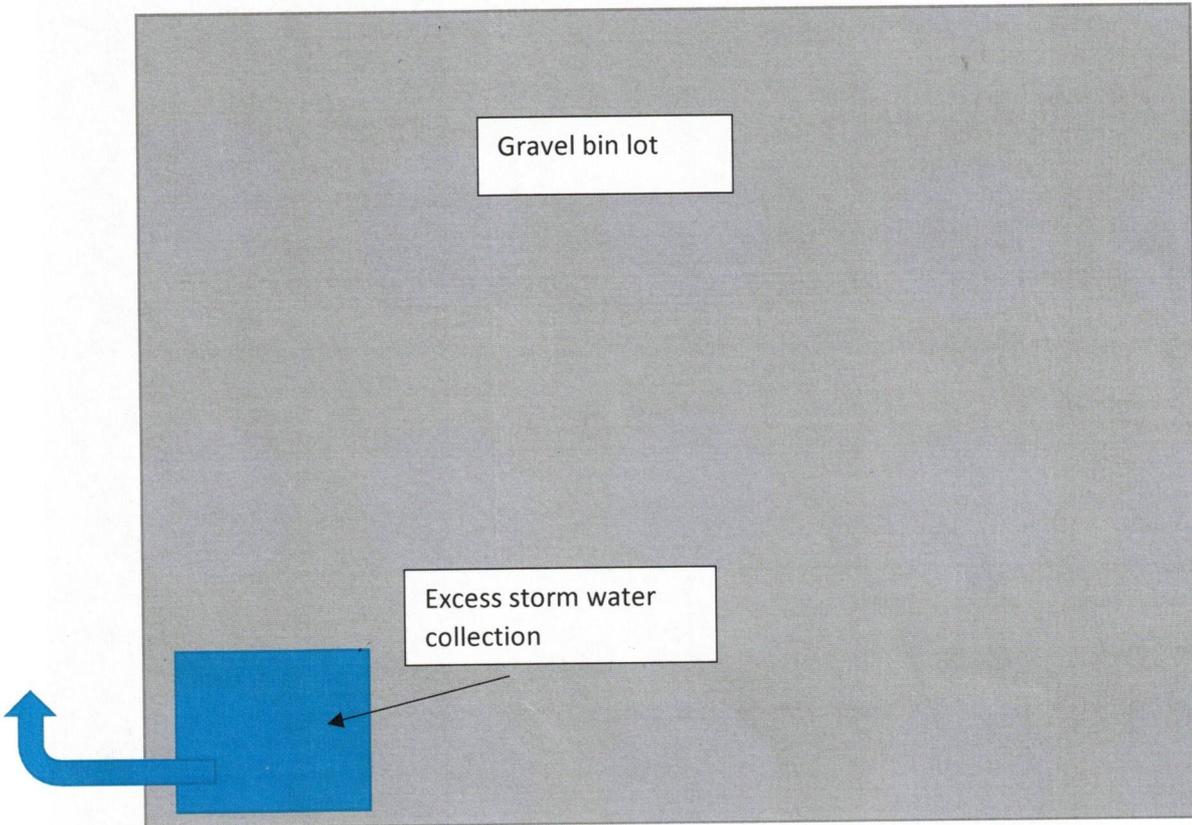
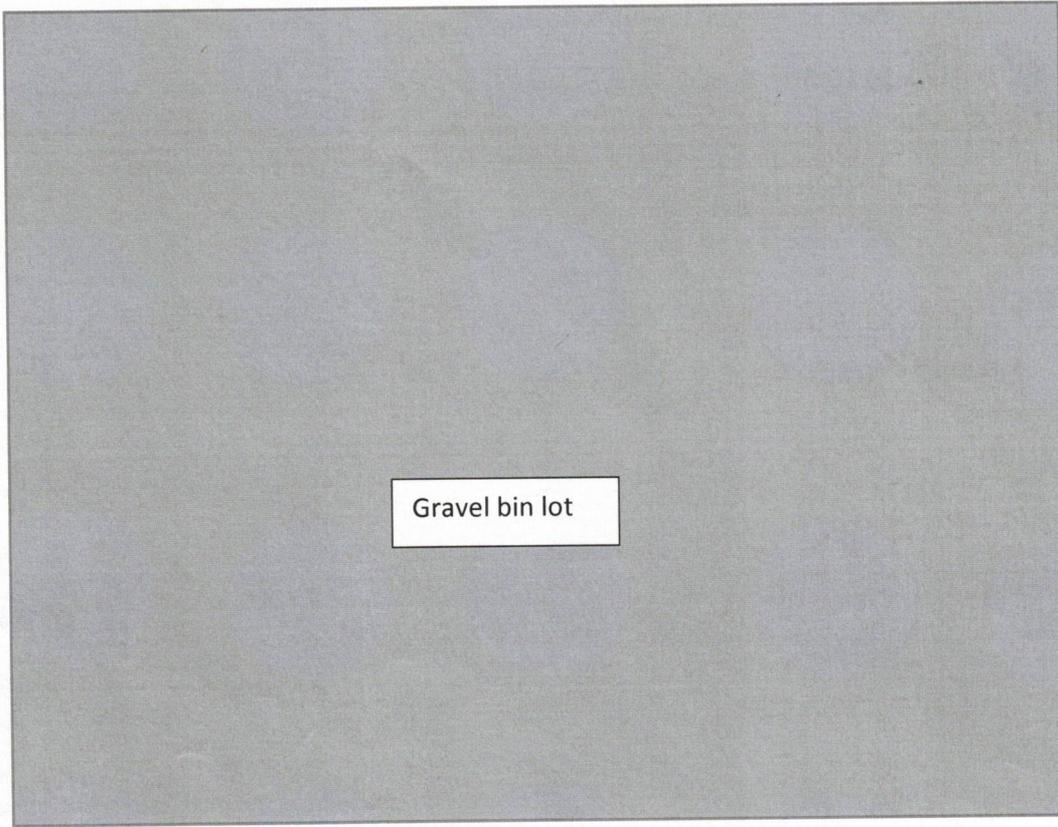
All water used is from our well.





Sprinkler System on Field





2019/10/10 10:00 AM