



## *Port of Sunnyside*

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# *Application for a State Wastewater Discharge Permit to Discharge Industrial Wastewater to a Publicly- Owned Treatment Works (POTW)*



# Application for a State Waste Discharge Permit to Discharge Industrial Wastewater to a Publicly-Owned Treatment Works (POTW)

This application is for a state waste discharge permit for a discharge of industrial wastewater to a publicly-owned treatment works (POTW) as required by Chapter 90.48 RCW and Chapter 173-216 WAC. It is designed to provide Ecology with information on pollutants in the waste stream, materials that may enter the waste stream, and the flow characteristics of the 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: Clay Powell - Sr. Director of Plant Ops - ID
  
2. Facility Name: Darigold, Inc. Sunnyside WA  
(if different from Applicant)
  
3. Applicant Mail Address: PO Box 876  
Street  
  
Sunnyside, Washington 98944  
City/State Zip
  
4. Facility Location Address: 400 Alexander Road  
(if different from 3 above) Street  
  
Sunnyside, Washington 98944  
City/State Zip
  
5. UBI No. 178-005-035  
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 facility as decimal degrees (NAD83/WGS84):  
N46.3010556 / W-120.0162222

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DEPARTMENT OF ECOLOGY  
CENTRAL REGIONAL OFFICE

|                                 |                     |  |                                 |
|---------------------------------|---------------------|--|---------------------------------|
| <b>FOR OFFICE USE ONLY</b>      |                     | Check One:    New/Renewal <input type="checkbox"/> Modification <input type="checkbox"/> |                                 |
| Date Application Received _____ | Date Fee Paid _____ | Application/Permit No. _____   | Date Application Accepted _____ |

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

Ron Phillips  
Name

EHS Manager  
Title

509-426-1740  
Telephone number

Ron.Phillips@Darigold.com  
Fax number

8. Check One:

**Permit Renewal** (including renewal of temporary permits)

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.*

Clay Powell  
Signature\*

1-20-16  
Date

Sr Director  
Title

Clay Powell  
Printed Name

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: Process raw milk into cheese (SIC 2022/NAICS 311513) and dry whey (SIC 2023/NAICS 311511 & 311514). A variety of milk products and process intermediates such as cream, condensed milk, whey protein concentrates, etc. may be brought in or shipped out for product standardization.

- List raw materials and products used at his facility:

| Type                        | RAW MATERIALS | Quantity                        |
|-----------------------------|---------------|---------------------------------|
| <i>Grapes (Example)</i>     |               | <i>1,000 tons per year</i>      |
| Raw Milk                    |               | 3,285,000,000 lbs per year      |
|                             |               |                                 |
|                             |               |                                 |
|                             |               |                                 |
|                             |               |                                 |
| Type                        | PRODUCTS      | Quantity                        |
| <i>Grape Juice(Example)</i> |               | <i>300,000 gallons per year</i> |
| Whey Powder                 |               | 95,000,000 lbs per year         |
| Whey Protein Concentrate    |               | 2,700,000 lbs per year          |
| Milk Powder                 |               | 109,500,000 lbs per year        |
| Cream                       |               | 109,500,000 lbs per year        |
| Whey Cream                  |               | 12,410,000 lbs per year         |
| Whey Permeate               |               | 9,400,000 lbs per year          |
| Milk Permeate               |               | 153,300,000 lbs per year        |
| Condensed Skim              |               | 153,300,000 lbs per year        |
| Cheese                      |               | 195,000,000 lbs 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 an ID # and describe whether it is a batch or continuous flow.

| Process                                       | Waste Stream Name                           | Waste Stream ID# | Batch (B) or Continuous (C) Process |
|---|---|------------------|-------------------------------------|
| Dairy Product Processing & Equipment Cleaning | Process Wastewater & Contaminated COW Water | 002              | C                                   |
|   |   |                  |                                     |
|   |   |                  |                                     |
|   |   |                  |                                     |
|   |   |                  |                                     |
|   |   |                  |                                     |
|   |   |                  |                                     |

2. On a separate sheet, produce a schematic drawing showing production processes, water flow through the facility, wastewater treatment devices and waste streams as named above. The drawing should indicate the source of intake water and show the operations contributing wastewater to the effluent. The treatment units should be labeled. Construct a water balance by showing average flows between intakes, operations, treatment units, and points of discharge to the POTW. (See the example on page 16 of this application form.)

3. What is the maximum daily wastewater discharge flow? 996,154 gallons/day

What is the maximum average monthly wastewater discharge flow (daily flows averaged over a month)? 689,332 gallons/day

4. Describe any planned wastewater treatment improvements or changes in wastewater disposal methods, and the schedule for these improvements. (Use additional sheets, if necessary and label as attachment C4.)

See draft engineering report titled "Daigold Sunnyside Conveyance Improvements and COW Water Discharge Modifications Engineering Report" (separate submission).

5. If production processes are subject to seasonal variations, provide the following information. The combined value for each month should equal the estimated total monthly flow. Please indicate the proper flow 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 |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
|   |        |   |   |   |   |   |   |   |   |   |   |   |
| <b>Estimated Total Monthly Flow (GPD)</b> |        |   |   |   |   |   |   |   |   |   |   |   |

6. How many hours a day does this facility typically operate? 24  
 How many days a week does this facility typically operate? 7  
 How many weeks per year does this facility typically operate? 52
7. 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 pounds for solids*). For solvents and solvent-based cleaners, include a copy of the material safety data sheet and estimate the quantity used. (*Use additional sheets, if necessary, and label as attachment C.7.*)

Materials/Quantity Stored: See attachment "Bulk Chemicals" and "Solvent MSDS".

- |   | Yes                                 | No                                  |
|---|-------------------------------------|-------------------------------------|
| 8. 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 checked="" type="checkbox"/> | <input 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 checked="" type="checkbox"/> | <input type="checkbox"/>            |
| d. A runoff, spillage, or leak control plan (per WAC 173-216-110(f))?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| e. Any spill or pollution prevention plan required by local, state or federal authorities? If yes specify: <u>SPCC Plan &amp; SWPPP</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| f. A solid waste control plan?  | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |
| g. A Slug Discharge Control Plan (40 CFR 403.8(f)(2)(v))?   | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |

**SECTION D. WATER CONSUMPTION AND WATER LOSS**

1. Potable water source(s):

Public System (Specify) City of Sunnyside

Private Well

Surface Water

a. Water Right Permit Number: \_\_\_\_\_

b. Legal Description of Water Source

\_\_\_\_\_ 1/4S, \_\_\_\_\_ 1/4E, \_\_\_\_\_, Section, \_\_\_\_\_ TWN, \_\_\_\_\_ R

2. Potable water use

a. Indicate total water use \_\_\_\_\_

Gallons per day (average) 323,298 Avg. GPD (annual total 118,003,732 gallons)

Gallons per day (maximum) No Data

b. Is water metered?

YES  NO

## SECTION E. WASTEWATER INFORMATION

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

Intake: Magnetic Flow Meter

Effluent Magnetic Flow Meter

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.

The 'Port' collects both composite and grab samples for permit required monitoring. This data is reported to Darigold in the form of a partially populated DMR forms. Other analysis was performed on composite or grab samples depending on the particular analyte.

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.

| 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 |                    |   |                                    |
|   | BOD (5 day)                       | 1350               | 6160    | 2669    | 145                | SM 5210 B   | /2 mg/l                            |
|   | COD                               | 2350               | 10500   | 4384    | 358                | SM 5220 D   | /10 mg/l                           |
|   | Total suspended solids            | 567                | 1920    | 981     | 51                 | SM 2540 D   | /5 mg/l                            |
|   | Fixed Dissolved Solids            | 1,000              | 2220    | 1496    | 45                 | SM 2540 E   |                                    |
|   | Total dissolved solids            | 1670               | 4900    | 2579    | 45                 | SM 2540 C   |                                    |
|   | Conductivity (micromhos/cm)       |                    | 2530    |         | 1                  | SM 2510 B   |                                    |
|   | Ammonia-N as N                    |                    | 19.7    |         | 1                  | SM 4500-NH <sub>3</sub> C   | /0.3 mg/L                          |
|   | pH                                | 5.66               | 10.6    | 7.36    | NA                 | SM 4500-H   | 0.1 standard units                 |
|   | Fecal coliform (organisms/100 mL) |                    | >24192  |         | 1                  | SM 9221 E or 9222 D   |                                    |
|   | Total coliform (organisms/100 mL) |                    | >24192  |         | 1                  | SM 9221 B or 9222 B   |                                    |
|   | Dissolved oxygen                  |                    | 5.28    |         | 1                  | SM 4500-O C/G   |                                    |
|   | Nitrate + nitrite-N as N          |                    | ND      |         | 1                  | SM 4500-NO <sub>3</sub> E   | 100 µg/L                           |
|   | Total Kjeldahl N as N             | 101                | 329     | 160     | 51                 | SM 4500-N <sub>org</sub> C/E/FG   | 300 µg/l                           |
|   | Ortho-phosphate-P as P            |                    | 26.0    |         | 1                  | SM 4500-P E/F   | 10 µg/l                            |
|   | Total-phosphorous-P as P          | 35.5               | 130     | 58.5    | 24                 | SM 4500-P E/P/F   | 10 µg/l                            |
|   | Total Oil & grease                |                    | 49.1    |         | 1                  | 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                           |                    | 55.57   |         | 1                  | EPA 200.7   | 10 µg/l                            |
|   | Chloride                          | 113                | 499     | 210     | 101                | SM 4500-Cl C  | 0.15 µg/l                          |
|   | Fluoride                          |                    | ND      |         | 1                  | SM 4500-F E   | .025/0.1 mg/l                      |
|   | Magnesium                         |                    | 8.66    |         | 1                  | EPA 200.7   | 10/50 µg/l                         |
|   | Potassium                         |                    | 243     |         | 1                  | EPA 200.7   | 700/ µg/l                          |
|   | Sodium                            |                    | 628     |         | 1                  | EPA 200.7   | 29/ µg/l                           |

| 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 |                    |   |                                    |
|   | Sulfate              |                    | 124     |         | 1                  | SM 4500-SO <sub>4</sub> C/D   | 1200 µg/l                          |
|   | Arsenic(total)       |                    | ND      |         | 1                  | EPA 200.8   | 0.1/0.5 µg/l                       |
|   | Barium (total)       |                    | 0.11    |         | 1                  | EPA 200.8   | 0.5/2 µg/l                         |
|   | Cadmium (total)      |                    | 0.0052  |         | 1                  | EPA 200.8   | .05/.25 µg/l                       |
|   | Chromium (total)     |                    | ND      |         | 1                  | EPA 200.8   | 0.2/1 µg/l                         |
|   | Copper (total)       |                    | ND      |         | 1                  | EPA 200.8   | 0.4/2 µg/l                         |
|   | Lead (total)         |                    | 0.0128  |         | 1                  | EPA 200.8   | 0.1/1.5 µg/l                       |
|   | Mercury (total) pg/L |                    | ND      |         | 1                  | EPA 1631E   | 0.2/0.5 pg/l                       |
|   | Molybdenum(total)    |                    | ND      |         | 1                  | EPA 200.8   | 0.1/0.5 µg/l                       |
|   | Nickel(total)        |                    | 0.010   |         | 1                  | EPA 200.8   | 0.1/0.5 µg/l                       |
|   | Selenium (total)     |                    | 0.0123  |         | 1                  | EPA 200.8   | 1/1 µg/l                           |
|   | Silver (total)       |                    | ND      |         | 1                  | EPA 200.8   | .04/.2 µg/l                        |
|   | Zinc (total)         |                    | 0.22    |         | 1                  | EPA 200.8   | 0.5/2.5 µg/l                       |

6. Does this facility use any of the following chemicals as raw materials or produce them as part of the manufacturing process, or are they present in the wastewater?  YES  NO

*(The number in the column next to the chemical name is the Chemical Abstract Service (CAS) reference number to aid in identifying the compound.)*

If yes, specify how the chemical is used and the quantity used or produced: Low levels of cadmium, selenium, zinc and nickel were identified in recent analysis of OF002. The origin of these materials is unknown.

| METALS, CYANIDE & TOTAL PHENOLS |            |                                |           |
|---------------------------------|------------|--------------------------------|-----------|
| Antimony, Total                 | 7440-36-0  | Nickel, Total                  | 7440-02-0 |
| Arsenic, Total                  | 7440-38-2  | Selenium, Total                | 7782-49-2 |
| Beryllium, Total                | 7440-41-7  | Silver, Total                  | 7440-22-4 |
| Cadmium, Total                  | 7440-43-9  | Thallium, Total                | 7440-28-0 |
| Chromium (hex) dissolved        | 18540-29-9 | Zinc, Total                    | 7440-66-6 |
| Chromium, Total                 | 7440-47-3  |                                |           |
| Copper, Total                   | 7440-50-8  | Cyanide, Total                 | 57-12-5   |
| Lead, Total                     | 7439-92-1  | Cyanide, Weak Acid Dissociable |           |
| Mercury, Total                  | 7439-97-6  | Phenols, Total                 |           |

| PESTICIDES         |            |                    |            |
|--------------------|------------|--------------------|------------|
| Aldrin             | 309-00-2   | Endrin             | 72-20-8    |
| alpha-BHC          | 319-84-6   | Endrin Aldehyde    | 7421-93-4  |
| beta-BHC           | 319-85-7   | Heptachlor         | 76-44-8    |
| gamma-BHC          | 58-89-9    | Heptachlor Epoxide | 1024-57-3  |
| delta-BHC          | 319-86-8   | PCB-1242           | 53469-21-9 |
| Chlordane          | 57-74-9    | PCB-1254           | 11097-69-1 |
| 4,4'-DDT           | 50-29-3    | PCB-1221           | 11104-28-2 |
| 4,4'-DDE           | 72-55-9    | PCB-1232           | 11141-16-5 |
| 4,4' DDD           | 72-54-8    | PCB-1248           | 12672-29-6 |
| Dieldrin           | 60-57-1    | PCB-1260           | 11096-82-5 |
| alpha-Endosulfan   | 959-98-8   | PCB-1016           | 12674-11-2 |
| beta-Endosulfan    | 33213-65-9 | Toxaphene          | 8001-35-2  |
| Endosulfan Sulfate | 1031-07-8  |                    |            |

| VOLATILE COMPOUNDS       |            |  |          |
|--------------------------|------------|--|----------|
| Acrolein                 | 107-02-8   |  |          |
| Acrylonitrile            | 107-13-1   | 1,1-Dichloroethylene   | 75-35-4  |
| Benzene                  | 71-43-2    | 1,2-Dichloropropane  | 78-87-5  |
| Bromoform                | 75-25-2    | 1,3-dichloropropene (mixed isomers)<br>(1,2-dichloropropylene) | 542-75-6 |
| Carbon tetrachloride     | 56-23-5    | Ethylbenzene   | 100-41-4 |
| Chlorobenzene            | 108-90-7   | Methyl bromide (Bromomethane)                                  | 74-83-9  |
| Chloroethane             | 75-00-3    | Methyl chloride (Chloromethane)                                | 74-87-3  |
| 2-Chloroethylvinyl Ether | 110-75-8   | Methylene chloride   | 75-09-2  |
| Chloroform               | 67-66-3    | 1,1,2,2-Tetrachloroethane                                      | 79-34-5  |
| Dibromochloromethane     | 124-48-1   | Tetrachloroethylene  | 127-18-4 |
| 1,2-Dichlorobenzene      | 95-50-1    | Toluene (108-88-3)   |          |
| 1,3-Dichlorobenzene      | (541-73-1) | 1,2-Trans-Dichloroethylene<br>(Ethylene dichloride)            | 156-60-5 |
| 1,4-Dichlorobenzene      | 106-46-7   | 1,1,1-Trichloroethane  | 71-55-6  |
| Dichlorobromomethane     | 75-27-4    | 1,1,2-Trichloroethane  | 79-00-5  |
| 1,1-Dichloroethane       | 75-34-3    | Trichloroethylene  | 79-01-6  |
| 1,2-Dichloroethane       | 107-06-2   | Vinyl chloride   | 75-01-4  |

| ACID COMPOUNDS                                       |          |  |          |
|--|----------|--|----------|
| 2-Chlorophenol                                       | 95-57-8  | 4-nitrophenol                                      | 100-02-7 |
| 2,4-Dichlorophenol                                   | 120-83-2 | Parachlorometa cresol<br>(4-chloro-3-methylphenol) | 59-50-7  |
| 2,4-Dimethylphenol                                   | 105-67-9 | Pentachlorophenol                                  | 87-86-5  |
| 4,6-dinitro-o-cresol<br>(2-methyl-4,6-dinitrophenol) | 534-52-1 | Phenol   | 108-95-2 |
| 2,4 dinitrophenol                                    | 51-28-5  | 2,4,6-Trichlorophenol                              | 88-06-2  |
| 2-Nitrophenol  | 88-75-5  |  |          |

| BASE/NEUTRAL COMPOUNDS (compounds in bold are Ecology PBTs) |                 |  |                 |
|---|-----------------|--|-----------------|
| Acenaphthene  | 83-32-9         | 3,3-Dichlorobenzidine                            | 91-94-1         |
| Acenaphthylene  | 208-96-8        | Diethyl phthalate                                | 84-66-2         |
| Anthracene  | 120-12-7        | Dimethyl phthalate                               | 131-11-3        |
| Benzidine   | 92-87-5         | Di-n-butyl phthalate)                            | 84-74-2         |
| Benzyl butyl phthalate                                      | 85-68-7         | 2,4-dinitrotoluene                               | 121-14-2        |
| Benzo(a)anthracene  | 56-55-3         | 2,6-dinitrotoluene                               | 606-20-2        |
| Benzo(b)fluoranthene<br>(3,4-benzofluoranthene)             | 205-99-2        | Di-n-octyl phthalate                             | 117-84-0        |
| <b>Benzo(j)fluoranthene</b>                                 | <b>205-82-3</b> | 1,2-Diphenylhydrazine (as<br><i>Azobenzene</i> ) | 122-66-7        |
| Benzo(k)fluoranthene<br>(11,12-benzofluoranthene)           | 207-08-9        | Fluoranthene                                     | 206-44-0        |
| <b>Benzo(r,s,t)pentaphene</b>                               | <b>189-55-9</b> | Fluorene   | 86-73-7         |
| Benzo(a)pyrene  | 50-32-8         | Hexachlorobenzene                                | 118-74-1        |
| Benzo(ghi)Perylene  | 191-24-2        | Hexachlorobutadiene                              | 87-68-3         |
| Bis(2-chloroethoxy)methane                                  | 111-91-1        | Hexachlorocyclopentadiene                        | 77-47-4         |
| Bis(2-chloroethyl)ether                                     | 111-44-4        | Hexachloroethane                                 | 67-72-1         |
| Bis(2-chloroisopropyl)ether                                 | 39638-32-9      | Indeno(1,2,3-cd)Pyrene                           | 193-39-5        |
| Bis(2-ethylhexyl)phthalate                                  | 117-81-7        | Isophorone                                       | 78-59-1         |
| 4-Bromophenyl phenyl ether                                  | 101-55-3        | <b>3-Methyl cholanthrene</b>                     | <b>56-49-5</b>  |
| 2-Chloronaphthalene   | 91-58-7         | Naphthalene                                      | 91-20-3         |
| 4-Chlorophenyl phenyl ether                                 | 7005-72-3       | Nitrobenzene                                     | 98-95-3         |
| Chrysene  | 218-01-9        | N-Nitrosodimethylamine                           | 62-75-9         |
| <b>Dibenzo (a,i)acridine</b>                                | <b>224-42-0</b> | N-Nitrosodi-n-propylamine                        | 621-64-7        |
| <b>Dibenzo (a,h)acridine</b>                                | <b>226-36-8</b> | N-Nitrosodiphenylamine                           | 86-30-6         |
| Dibenzo(a-h)anthracene<br>(1,2,5,6-dibenzanthracene)        | 53-70-3         | <b>Perylene</b>                                  | <b>198-55-0</b> |
| Dibenzo(a,e)pyrene  | 192-65-4        | Phenanthrene                                     | 85-01-8         |
| Dibenzo(a,h)pyrene  | 189-64-0        | Pyrene   | 129-00-0        |
|   |                 | 1,2,4-Trichlorobenzene                           | 120-82-1        |

7. Are any other pesticides, herbicides or fungicides used at this facility?  YES  NO

If yes, specify the material and quantity used:

Pesticides are used inside and out by an appropriately licensed contractor (Sprague Pest Control). Herbicides are used for landscape maintenance.

8. 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 as Attachment E8):

9. Is the wastewater being discharged, or proposed for discharge, to the POTW designated as a dangerous waste according to the procedures in Chapter 173-303 WAC?

YES  NO  DON'T KNOW

10. If the answer to question 9 above is yes, how did the waste designate as a dangerous waste (check appropriate box)?

For Listed and TCLP Characteristic Wastes only, also provide the Dangerous Waste Number(s).

Listed Waste  Dangerous Waste Number(s) \_\_\_\_\_

Characteristic Wastes Dangerous Waste Number(s) \_\_\_\_\_

Ignitable

Reactive

Corrosive

TCLP

State Only Dangerous Wastes Dangerous Waste Number(s) \_\_\_\_\_

Toxicity

Persistent

For questions about waste designation under the *Dangerous Waste Regulations*, Chapter 173-303 WAC, contact Ecology's Hazardous Waste and Toxics Program at:

|                                      |                |
|--------------------------------------|----------------|
| Northwest Regional Office - Bellevue | (425) 649-7000 |
| Southwest Regional Office - Lacey    | (360) 407-6300 |
| Central Regional Office - Yakima     | (509) 575-2490 |
| Eastern Regional Office - Spokane    | (509) 329-3400 |

## SECTION F. SEWER INFORMATION

1. Is an inspection and sampling manhole or similar structure available on-site?  YES  NO  
*If yes, attach a map or hand drawing of the facility that shows the location of these structures  
(Label as attachment F1 or this may be combined with map in H8, if H8 is applicable to your  
facility.)*

## SECTION G. OTHER PERMITS

1. List all environmental control permits or approvals needed for this facility; for example, air emission permits.

WA0052078, NSRP-17-DG-14, WAH000044617, WAR000567

## 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. WAR000567

If no, have you applied for a Washington State Stormwater Industrial Stormwater General Permit?  YES  NO

If you answered no to both questions above, complete the following questions 2 through 5.

2. Does your facility discharge stormwater: *(Check all that apply)*

- To storm sewer system *(provide name of storm sewer system operator: \_\_\_\_\_)*
- Directly to any surface waters of Washington State *(e.g., river, lake, creek, estuary, ocean).*

Specify waterbody name(s) \_\_\_\_\_

- Indirectly to surface waters of Washington State *(i.e., flows over adjacent properties first).*
- To a Sanitary Sewer
- Directly to ground waters of Washington State via:
  - Dry well
  - Drainfield
  - Other

3. 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 (please specify): \_\_\_\_\_

4. 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 stormwater 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)*: \_\_\_\_\_

5. Attach a facility site 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 *(See example on page 16 of this application)*. Label this as attachment H.5.

## SECTION I. OTHER INFORMATION

1. Describe liquid wastes or sludges being generated by your facility that are not disposed of in the waste stream(s) and how they are being disposed of. For each type of waste, provide type of waste and the name, address, and phone number of the hauler.

Liquid waste streams include off spec dairy products and sludges removed from the wastewater system.

### Liquid Dairy Products;

Horse Haven Cattle Feeders (feed products) - 1691 Midvale Road, Sunnyside, WA 98944,  
(509)837-2003

Natural Selection Farms (feed products) - 6800 Emerald Rd., Sunnyside, WA 98944, Ted Durfey,  
(509)837-3501

Wokerhoven Digester (anaerobic treatment) - 18125 Tualco Loop Rd., Monroe, Washington  
98272 WA, (360)794-7451

### Wastewater Sludge;

NRC Environmental Services (Finnely Butte Landfill) - 1810 East James Street, Pasco,  
Washington, (509) 545-6110

### Salt Brine Waste

King County Industrial Waste - Tod Gowing, (206)-263-3000

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

All raw materials (milk) and products are stored inside or in covered tanks. Wastes are not stored on-site except for animal feed (listed above), and brine (Outfall 3) which are temporarily held inside pending pickup by truck. Used oil and spent light bulbs are held in a covered area pending pickup for recycling and proper disposal, respectively. Trash is held in covered dumpsters pending removal. Hazardous wastes held in the indoor satellite accumulation areas or in the 30-day storage area before being picked up for disposal.

3. Have you designated the wastes described above according to the applicable  YES  NO procedures of Dangerous Waste Regulations, Chapter 173-303 WAC?

**SECTION J. CERTIFICATIONS**

**1. Approval by Publicly-Owned Treatment Works [required by WAC 173-216-070(4)(b)]**

*I approve of the discharge as described in this application. The applicant is:*

(Please check the appropriate box below.)

A Significant Industrial User (see Definitions at the end of this Section)

A Categorical Industrial User

Neither of the above

Name and location of sewer system to which this project will be tributary:

Treatment Works Owner: Port of Sunnyside Industrial Wastewater Treatment Facility

Street: 747 Midvale Road

City/State: Sunnyside, WA Zip: 98944

Jay Harter 1-25-2016 Executive Director  
Signature of Treatment Works Authority Date Title

Jay Harter  
Printed Name

**2. Application review by Intermediate Sewer Owner at point of discharge (if applicable)**

*I hereby acknowledge that I have reviewed the application for discharge to this sewer system.*

Name and location of sewer system to which this project will be tributary:

Sewer System Owner: \_\_\_\_\_

Street: \_\_\_\_\_

City/State: \_\_\_\_\_ Zip: \_\_\_\_\_

\_\_\_\_\_  
Signature of Sewer System Authority Date Title

\_\_\_\_\_  
Printed Name

## DEFINITIONS

### Significant Industrial User (SIU)--

- 1) All industrial users subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N; and
- 2) Any other industrial user that: discharges an average of 25,000 gallons per day or more of process wastewater to the POTW (excluding sanitary, noncontact cooling, and boiler blow-down wastewater); contributes a process wastestream that makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant; or is designated as such by the Control Authority on the basis that the industrial user has a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement (in accordance with 40 CFR 403.8(f)(6)).

Upon finding that the industrial user meeting the criteria in paragraph 2, above, has no reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement, the Control Authority may at any time, on its own initiative or in response to a petition received from an industrial user or POTW, and in accordance with 40 CFR 403.8(f)(6), determine that such industrial user is not a significant industrial user.

**Control Authority** - means the Washington State Department of Ecology in the case of non-delegated POTWs or means the POTW in the case of delegated POTWs.

**Categoric Industrial User (CIU):** An industrial user subject to national categorical pretreatment standards promulgated by EPA (40 CFR 403.6 and 40 CFR parts 405-471).

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### Summary of Attachments That May be Required for This Application:

*(Please check those attachments that are included)*

- |                                     |                          |      |   |
|-------------------------------------|--------------------------|------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | C.2. | Production schematic flow diagram and water balance |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | C.4. | Wastewater treatment improvements                   |
| <input type="checkbox"/>            | <input type="checkbox"/> | C.7. | Additional incidental materials                     |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | E.8. | Additional results of effluent testing              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | F.1. | Facility site map                                   |
| <input type="checkbox"/>            | <input type="checkbox"/> | H.5. | Stormwater drainage map                             |