



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: SeaCast, Inc.
2. Facility Name: Same
(if different from Applicant)
3. Applicant Mail Address: 6130 31st Avenue NE
Street
Marysville, Washington 98271
City/State Zip
4. Facility Location Address: Same
(if different from 3 above) Street

City/State Zip
5. UBI No. 600-624-255
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):
48.05178 N / 122.19076 W

FOR OFFICE USE ONLY		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:

George (Jerry) McCaslin
Name

Corporate EH&S Manager
Title

(360) 386-1628
Telephone number

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: 06/01/2021 - 05/31/2026

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.


Signature*

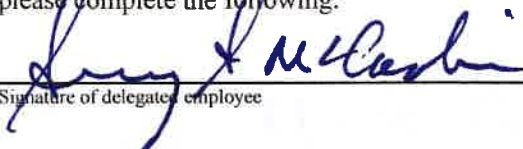
04/8/2021
Date

President
Title

Michael Robins
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

04/08/2021
Date

Corporate EH&S Manager
Title or function at the facility

George (Jerry) McCaslin
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: SIC Code - 3324; NAICS Code - 331512

The codes above apply to all processes and production at this facility which is an Investment Casting Foundry and is a Categorical Significant Industrial User.

SeaCast, Inc. produces metal alloy castings by first producing wax molds for each cast part, investing that wax mold in fused silica, melting the wax from the fused silica shell and then pouring the molten metal alloy into the shell to form the parts being manufactured. The shell is then removed from the casting, the cast parts are cut off of the tree that they were cast on and the excess metal is recycled and remelted. The cast parts themselves are subjected to grinding, cutting and sandblasting or shotblasting to remove gates, burrs, and other non-conformities. Parts may also be subjected to heat treating, machining, and non-destructive testing procedures including x-ray, liquid dye penetrant and magnetic particle penetrant.

The pattern wax is reclaimed and 100% of it is recycled to the manufacturer for re-formulation. The fused silica shell is recycled for reuse in the concrete industry. Other materials that are a byproduct of this operation are disposed of according to Federal, State and local waste disposal requirements. The facility also discharges small quantities of contaminants into our Industrial Waste Discharge System.

- List raw materials and products used at his facility:

Type	RAW MATERIALS	Quantity
<i>Grapes (Example)</i>		<i>1,000 tons per year</i>
Steel, Stainless, Aluminum, & Bronze Ingot		550 tons per year
Fused Silica Sand		180 tons per year
Citric Acid for Soluable Wax removal		5,000 gallons per year
Citrus Based Pattern Cleaner (PC-205)		15,000 gallons per year
Sodium & Potassium Hydroxide (Ceram-X)		40,000 pounds per year
Type	PRODUCTS	Quantity
<i>Grape Juice(Example)</i>		<i>300,000 gallons per year</i>
Steel, Stainless, Aluminum and Bronze Castings		400 tons 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
Pattern Washing	Pattern Wash (PC-205 in water)	001	C
Dissolve Soluable Wax	Acid Leach Tank	002	B
Penetrant Inspection	Penetrant Inspection Line	003	C
Autoclave Wax Melting	Boiler	004	B
Heat Exchanger Maintenance	Cooling Tower	005	B
Kolene Cistern Washout	Water from Kolene cistern cleanout	006	B
Water Blast Operations	Pressure Wash Water	007	B
Penetrant Discharge	Photoprocessing Unit	008	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? 8,000 est. gallons/day

What is the maximum average monthly wastewater discharge flow (daily flows averaged over a month)? 5,500 est. 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.)*

The facility is increasing production at this time after a very slow production year in 2020 due to COVID-19. Estimates of the water flows and discharge are truly estimates at this time and can be discussed going forward if the production end of the airplane business increases going forward over the next 5 years.

SeaCast is requesting a change for one of the discharge locations and processes. We have not treated or discharge from our Kolene treatment process for over 8 years and therefore request to remove that application and replace it with the Kolene cistern cleanout and treatment/discharge process. This was discussed with the Ecology permit contact after she proposed this change to the permit. This discharge parameter is comprised of wastewater from cleaning and rinsing the floor of the Kolene containment area and then filtering it, adjusting the pH and then filtering the discharge. This source was above the local discharge limits for Nickel and Zinc from the last discharge and will be monitored on a batch basis to determine the proper treatment and disposal of this wastestream going forward.

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
001												
002												
003												
004												
005												
006												
007												
008												
Estimated Total Monthly Flow (GPD)												

6. How many hours a day does this facility typically operate? 18

How many days a week does this facility typically operate? 5

How many weeks per year does this facility typically operate? 50

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: The following items are routinely used and stored on site:

Chevron Rykon Oil AW ISO 46 - (55 gallons);

Citric Acid - (2,000 lbs); Sulfuric Acid - (110 gallons);

Fluorescent Penetrant Dye, Magnetic Particle Inspection oil - (55 gallons each);

PC-205 Wax Pattern Cleaner (330 gallons);

Colloidal Silica (600 gallons);

Isopropanol, Silicate Binder, Dara Clean and Multi-Kleen 1573 (125 gallons);

Ceram-X Alkaline Hydroxides (440 gallons).

- | 8. | Some types of facilities are required to have spill or waste control plans. Does this facility have: | Yes | No |
|----|--|-------------------------------------|--------------------------|
| 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 checked="" type="checkbox"/> | <input 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>P2P Plan from Ecology</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| f. | A solid waste control plan? | <input checked="" type="checkbox"/> | <input 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 Marysville Public Works

☐ ☐ Private Well ☐ Surface Water

a. Water Right Permit Number: N/A

b. Legal Description of Water Source

 $\frac{1}{4}$ S, $\frac{1}{4}$ E, , Section, TWN, R

2. Potable water use

a. Indicate total water use

Gallons per day (average) 6,000

Gallons per day (maximum) 8,000

b. Is water metered?

☒ YES ☐ NO

SECTION E. WASTEWATER INFORMATION

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

Intake: Metered

Effluent IWD is metered or batch quantified; sanitary system water is not.

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.

Grab

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 th , 20 th edition or 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 ₃ C	/0.3 mg/L
X	pH	6.7	7.4	7.0	12+	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 ₃ E	100 µg/L
	Total kjeldahl N as N					SM 4500-N _{org} 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	0.025/0.1 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 ₄ C/D	/200 µg/l
	Arsenic(total)					EPA 200.8	0.1/0.5 µg/l

X	Parameter	Measurement Values			Number of Analyses	Analytical Method Std. Methods 19 th , 20 th edition or EPA	Detection Limit/Quantitation Level
		Minimum	Maximum	Average			
	Barium (total)					EPA 200.8	0.5/2 µg/l
X	Cadmium (total)	<0.002	<0.005	<0.003	3	EPA 200.8	05/25 µg/l
X	Chromium (total)	0.001	0.128	0.056	4	EPA 200.8	0.2/1 µg/l
X	Copper (total)	0.006	0.041	0.020	4	EPA 200.8	0.4/2 µg/l
X	Lead (total)	<0.001	0.005	0.003	2	EPA 200.8	0.1/5 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
X	Nickel (total)	0.006	0.172	0.078	4	EPA 200.8	0.1/0.5 µg/l
	Selenium (total)					EPA 200.8	1/1 µg/l
	Silver (total)	<0.001	<0.005	<0.003	3	EPA 200.8	0.04/2 µg/l
X	Zinc (total)	0.006	0.460	0.189	4	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:

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) (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 (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 (4-chloro-3-methylphenol)	59-50-7
2,4-Dimethylphenol	105-67-9	Pentachlorophenol	87-86-5
4,6-dinitro-o-cresol (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 (3,4-benzofluoranthene)	205-99-2	Di-n-octyl phthalate	117-84-0
Benzo(j)fluoranthene	205-82-3	1,2-Diphenylhydrazine (as <i>Azobenzene</i>)	122-66-7
Benzo(k)fluoranthene (11,12-benzofluoranthene)	207-08-9	Fluoranthene	206-44-0
Benzo(r,s,t)pentaphene	189-55-9	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	3-Methyl cholanthrene	56-49-5
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
Dibenzo (a,j)acridine	224-42-0	N-Nitrosodi-n-propylamine	621-64-7
Dibenzo (a,h)acridine	226-36-8	N-Nitrosodiphenylamine	86-30-6
Dibenzo(a-h)anthracene (1,2,5,6-dibenzanthracene)	53-70-3	Perylene	198-55-0
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:

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.

Industrial Wastewater Discharge Permit # ST-7380

RCRA Hazardous Waste Generator ID# WAD981769805

Air Permit Registration - Federal Air Rules for Reservations (FARR) ID# 98271SCSTN61303

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 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.

Wastes: Kolene Overflow Water, Kolene Cleanout Sludge, Non-Regulated Quench Oil with Water, Water Based Coolant Lubricant (Eco-Cool), Wasate Oil with Water, Wax Pattern Cleaner, Used hydraulic and motor oil.

Hauler & Treatment/Disposal Facility: Clean Harbors Environmental Services, 26328 79th Avenue South, Kent, WA 98032 - Phone (253) 639-4240; EPA ID# MAD039322250

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

Raw materials, products and wastes, both regulated and non-regulated, are stored in a warehouse storage building with asphalt floors without drains. All liquids are stored in approved metal or poly drums which are subsequently stored on large liquid containment pallets. All solid materials are collected in 55 gallon metal drums and stored with either plastic snap on lids or with drum lids and rings. Used wax to be recycled is stored in closed, 250 gallon plastic totes. The condensed water inside the tote with the wax is drained out and the totes are stored outside under cover until a truck load is accumulated for transport and recycling.

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: Marysville Wastewater Treatment Plant
Street: 80 Columbia Avenue
City/State: Marysville, Washington Zip: 98270
Signature of Treatment Works Authority: Karen Latimer Date: 6/10/2021 Title: Utility Manager
Printed Name: Karen Latimer

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

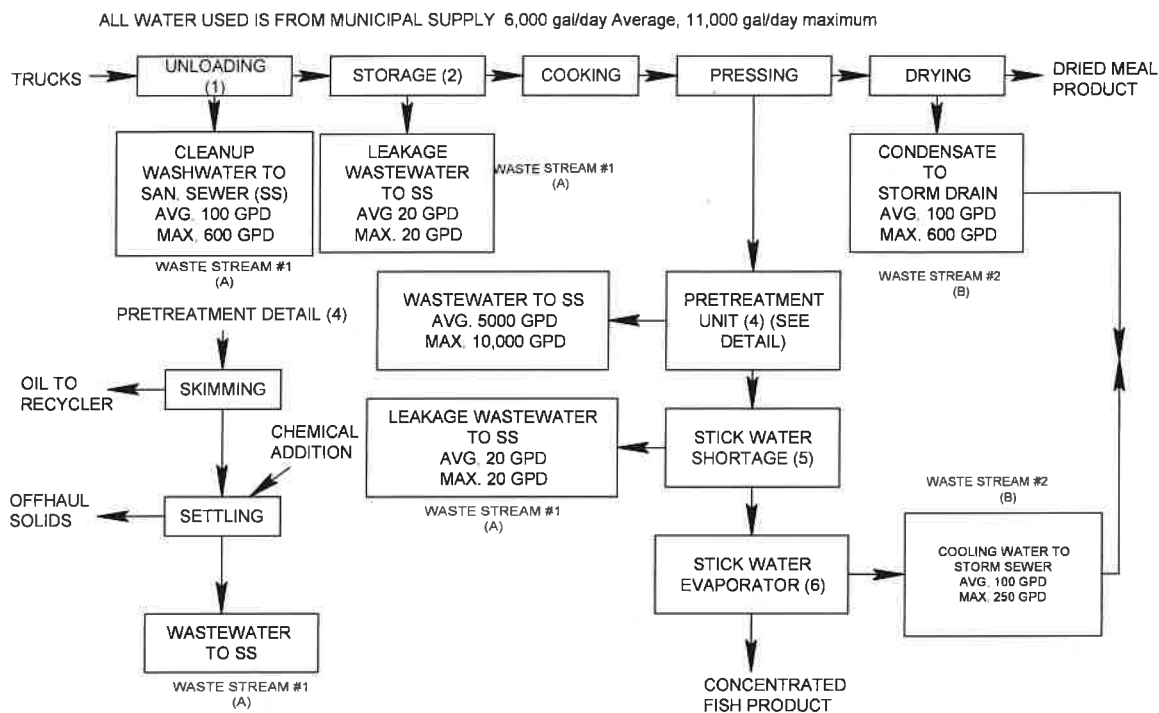
I hereby acknowledge that I have reviewed the application for discharge to this sewer system.

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

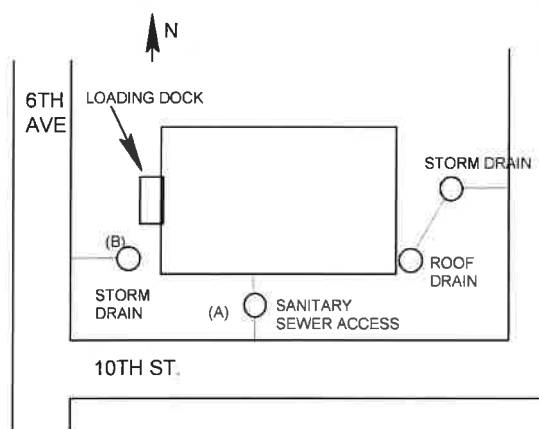
N/A

Sewer System Owner: _____
Street: _____
City/State: _____ Zip: _____
Signature of Sewer System Authority: _____ Date: _____ Title: _____
Printed Name: _____

Example 1 for application section C.2. (SCHEMATIC DIAGRAM)



Example 2 for application section F1 or H8 (FACILITY SITE MAP)



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).

Summary of Attachments That May be Required for This Application:

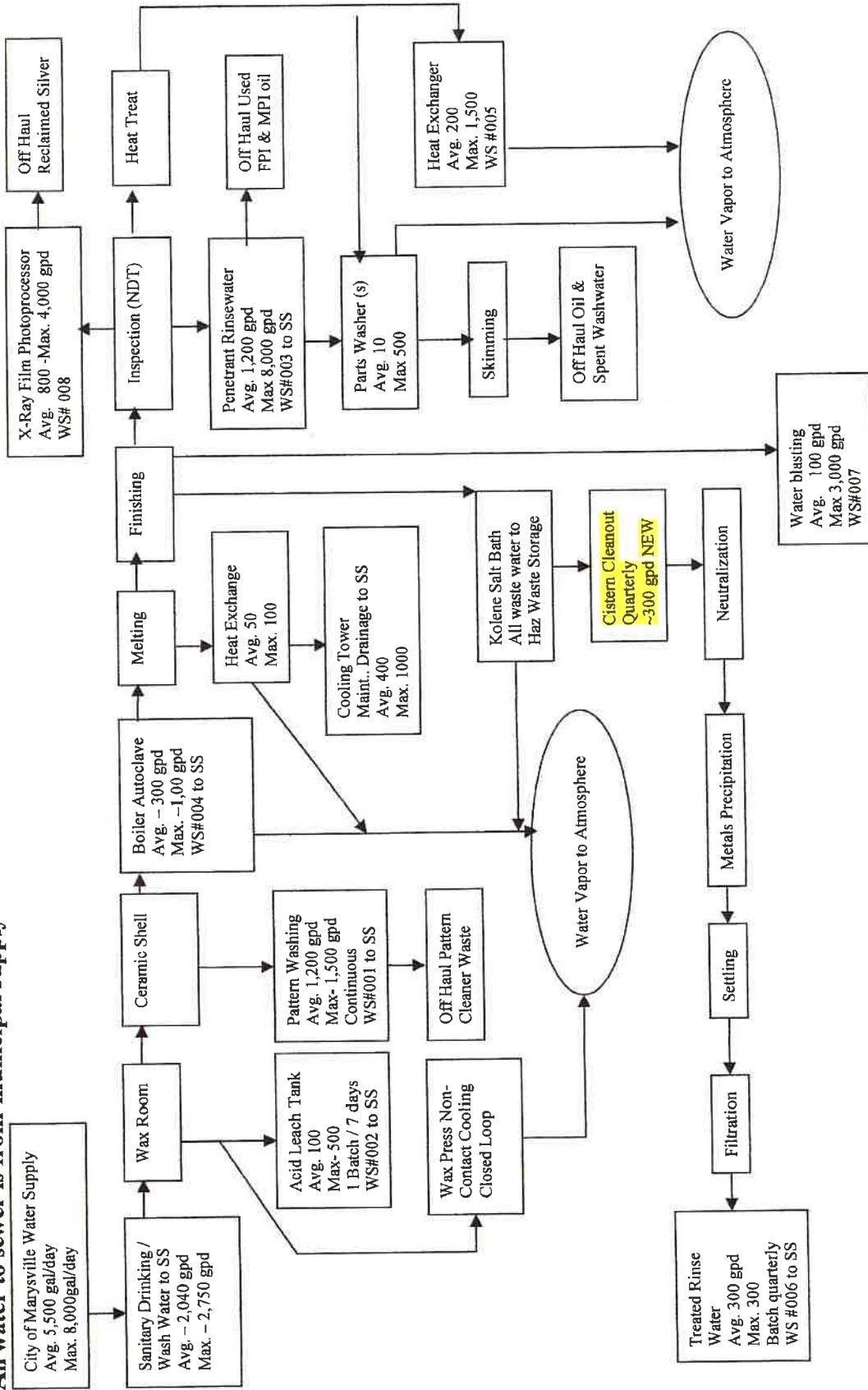
(Please check those attachments that are included)

- | | | | |
|-------------------------------------|--------------------------|------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | C.2. | Production schematic flow diagram and water balance |
| <input 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 checked="" type="checkbox"/> | <input type="checkbox"/> | H.5. | 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.

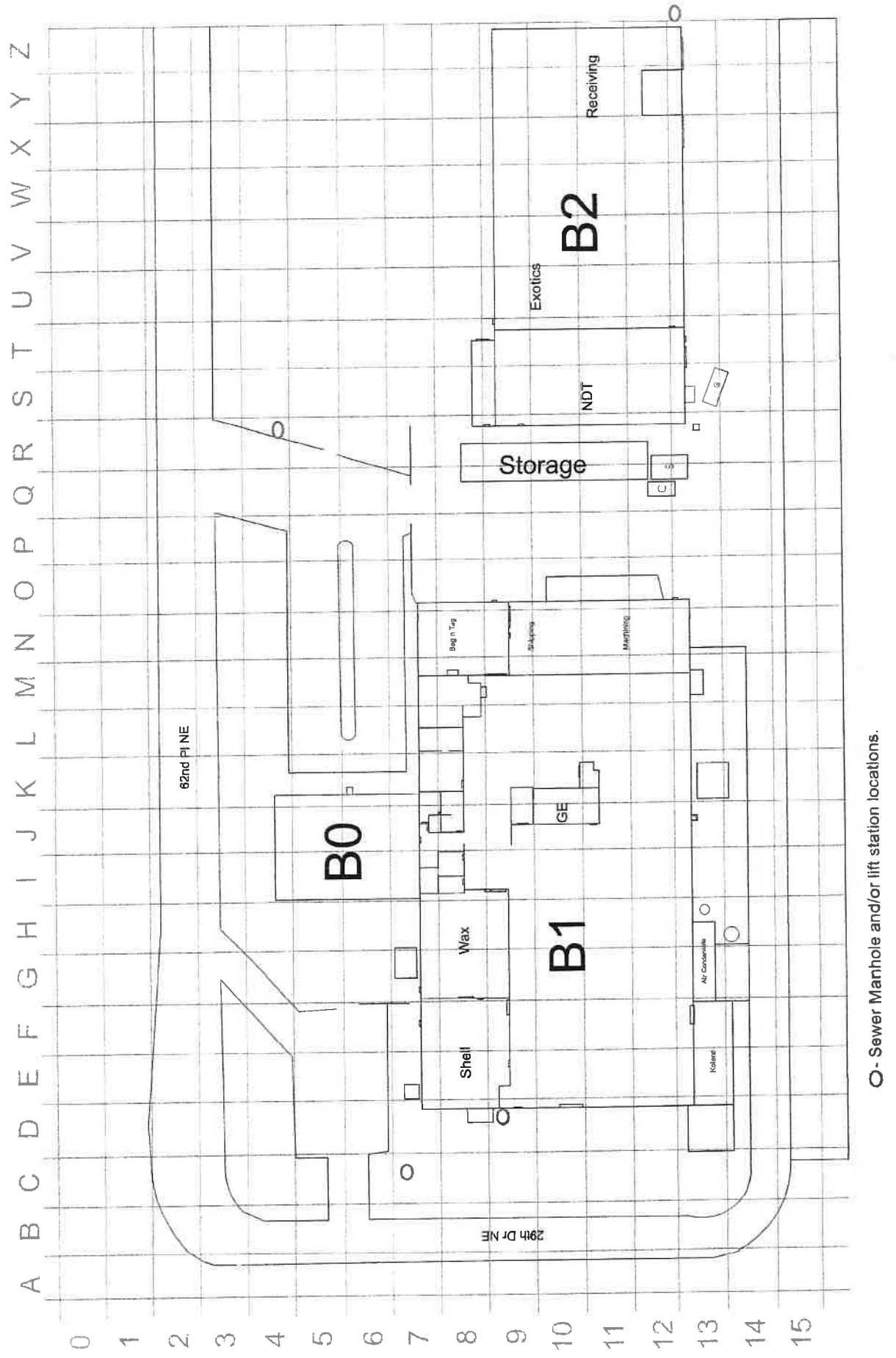
**Attachment C.2. - Schematic Flow Diagram and Water Balance
IWD Permit ST-7380 Renewal - 2021
SeaCast, Inc.**

All water to sewer is from municipal supply



**Note: WS#006 has been changed to Kolene cistern cleanout wastewater (NEW proposed).
WS#007 is now in operation again.**

Attachment F-1 for Marysville IWD Permit # ST0007380 April 8, 2021





Attachment E-8 IWD Permit Renewal ST0007380

December 23, 2019

Mr. Jerry McCaslin
SeaCast, Inc.
6130 - 31st Ave NE,
Marysville, WA 98271

Dear Mr. McCaslin,

On December 18th, 2 samples were received by our laboratory and assigned our laboratory project number EV19120144. The project was identified as your Cistern Cleanout. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan
Laboratory Director



CERTIFICATE OF ANALYSIS

CLIENT: SeaCast, Inc.
6130 - 31st Ave NE,
Marysville, WA 98271

CLIENT CONTACT: Jerry McCaslin
CLIENT PROJECT: Cistern Cleanout Profile
CLIENT SAMPLE ID: Cistern Cleanout #1

DATE: 12/23/2019
ALS JOB#: EV19120144
ALS SAMPLE#: EV19120144-01
DATE RECEIVED: 12/18/2019
COLLECTION DATE: 12/18/2019 2:00:00
WDOE ACCREDITATION: C601

SAMPLE DATA DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	
						DATE	BY
Mercury	EPA-245.1	1.0	1.0	5	UG/L	12/20/2019	RAL
Aluminum	EPA-200.8	2000	10	10	UG/L	12/20/2019	RAL
Antimony	EPA-200.8	31	10	10	UG/L	12/20/2019	RAL
Arsenic	EPA-200.8	46	10	10	UG/L	12/20/2019	RAL
Barium	EPA-200.8	940	10	10	UG/L	12/20/2019	RAL
Beryllium	EPA-200.8	14	10	10	UG/L	12/20/2019	RAL
Cadmium	EPA-200.8	23	10	10	UG/L	12/20/2019	RAL
Calcium	EPA-200.8	490000	500	10	UG/L	12/20/2019	RAL
Chromium	EPA-200.8	270	10	10	UG/L	12/20/2019	RAL
Cobalt	EPA-200.8	160	10	10	UG/L	12/20/2019	RAL
Copper	EPA-200.8	1400	20	10	UG/L	12/20/2019	RAL
Iron	EPA-200.8	2700000	500	10	UG/L	12/20/2019	RAL
Lead	EPA-200.8	120	10	10	UG/L	12/20/2019	RAL
Magnesium	EPA-200.8	240000	500	10	UG/L	12/20/2019	RAL
Manganese	EPA-200.8	150000	2000	10010	UG/L	12/20/2019	RAL
Nickel	EPA-200.8	450	20	10	UG/L	12/20/2019	RAL
Potassium	EPA-200.8	1200000	500	10	UG/L	12/20/2019	RAL
Selenium	EPA-200.8	U	40	10	UG/L	12/20/2019	RAL
Silver	EPA-200.8	290	10	10	UG/L	12/20/2019	RAL
Sodium	EPA-200.8	1800000	500	10	UG/L	12/20/2019	RAL
Thallium	EPA-200.8	U	10	10	UG/L	12/20/2019	RAL
Vanadium	EPA-200.8	260	20	10	UG/L	12/20/2019	RAL
Zinc	EPA-200.8	3000	25	10	UG/L	12/20/2019	RAL

U - Analyte analyzed for but not detected at level above reporting limit



CERTIFICATE OF ANALYSIS

CLIENT: SeaCast, Inc.
6130 - 31st Ave NE,
Marysville, WA 98271

CLIENT CONTACT: Jerry McCaslin
CLIENT PROJECT: Cistern Cleanout

DATE: 12/23/2019
ALS SDG#: EV19120144
WDOE ACCREDITATION: C601

LABORATORY BLANK RESULTS

MBLK-353153 - Batch R353153 - Water by EPA-245.1

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Mercury	EPA-245.1	U	UG/L	0.20	12/20/2019	RAL

U - Analyte analyzed for but not detected at level above reporting limit

MB-121919W - Batch 149004 - Water by EPA-200.8

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Aluminum	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Antimony	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Arsenic	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Barium	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Beryllium	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Cadmium	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Calcium	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Chromium	EPA-200.8	U	UG/L	2.0	12/20/2019	RAL
Cobalt	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Copper	EPA-200.8	U	UG/L	2.0	12/20/2019	RAL
Iron	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Lead	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Magnesium	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Manganese	EPA-200.8	U	UG/L	2.0	12/20/2019	RAL
Nickel	EPA-200.8	U	UG/L	2.0	12/20/2019	RAL
Potassium	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Selenium	EPA-200.8	U	UG/L	4.0	12/20/2019	RAL
Silver	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Sodium	EPA-200.8	U	UG/L	50	12/20/2019	RAL
Thallium	EPA-200.8	U	UG/L	1.0	12/20/2019	RAL
Vanadium	EPA-200.8	U	UG/L	2.0	12/20/2019	RAL
Zinc	EPA-200.8	U	UG/L	2.5	12/20/2019	RAL

U - Analyte analyzed for but not detected at level above reporting limit



CERTIFICATE OF ANALYSIS

CLIENT: SeaCast, Inc.
6130 - 31st Ave NE,
Marysville, WA 98271

DATE: 12/23/2019

ALS SDG#: EV19120144

WDOE ACCREDITATION: C601

CLIENT CONTACT: Jerry McCaslin
CLIENT PROJECT: Cistern Cleanout

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: R353153 - Water by EPA-245.1

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Mercury - BS	EPA-245.1	103			80.6	118	12/20/2019	RAL
Mercury - BSD	EPA-245.1	96.0	7		80.6	118	12/20/2019	RAL

ALS Test Batch ID: 149004 - Water by EPA-200.8

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Aluminum - BS	EPA-200.8	103			80	120	12/20/2019	RAL
Aluminum - BSD	EPA-200.8	102	1		80	120	12/20/2019	RAL
Antimony - BS	EPA-200.8	108			88.9	114	12/20/2019	RAL
Antimony - BSD	EPA-200.8	109	1		88.9	114	12/20/2019	RAL
Arsenic - BS	EPA-200.8	99.9			89.1	110	12/20/2019	RAL
Arsenic - BSD	EPA-200.8	99.9	0		89.1	110	12/20/2019	RAL
Barium - BS	EPA-200.8	102			88.5	108	12/20/2019	RAL
Barium - BSD	EPA-200.8	102	1		88.5	108	12/20/2019	RAL
Beryllium - BS	EPA-200.8	100			91.1	113	12/20/2019	RAL
Beryllium - BSD	EPA-200.8	101	0		91.1	113	12/20/2019	RAL
Cadmium - BS	EPA-200.8	103			89.4	110	12/20/2019	RAL
Cadmium - BSD	EPA-200.8	103	0		89.4	110	12/20/2019	RAL
Calcium - BS	EPA-200.8	100			80	120	12/20/2019	RAL
Calcium - BSD	EPA-200.8	99.8	0		80	120	12/20/2019	RAL
Chromium - BS	EPA-200.8	102			88.3	110.2	12/20/2019	RAL
Chromium - BSD	EPA-200.8	102	0		88.3	110.2	12/20/2019	RAL
Cobalt - BS	EPA-200.8	99.8			85.8	108	12/20/2019	RAL
Cobalt - BSD	EPA-200.8	99.9	0		85.8	108	12/20/2019	RAL
Copper - BS	EPA-200.8	103			85.4	109	12/20/2019	RAL
Copper - BSD	EPA-200.8	103	0		85.4	109	12/20/2019	RAL
Iron - BS	EPA-200.8	101			80	120	12/20/2019	RAL
Iron - BSD	EPA-200.8	101	0		80	120	12/20/2019	RAL
Lead - BS	EPA-200.8	101			87.5	107	12/20/2019	RAL
Lead - BSD	EPA-200.8	101	0		87.5	107	12/20/2019	RAL
Magnesium - BS	EPA-200.8	103			80	120	12/20/2019	RAL
Magnesium - BSD	EPA-200.8	102	2		80	120	12/20/2019	RAL
Manganese - BS	EPA-200.8	103			82.2	110	12/20/2019	RAL
Manganese - BSD	EPA-200.8	102	1		82.2	110	12/20/2019	RAL
Nickel - BS	EPA-200.8	102			85.4	109	12/20/2019	RAL
Nickel - BSD	EPA-200.8	102	0		85.4	109	12/20/2019	RAL
Potassium - BS	EPA-200.8	102			80	120	12/20/2019	RAL
Potassium - BSD	EPA-200.8	102	0		80	120	12/20/2019	RAL
Selenium - BS	EPA-200.8	101			90.2	113	12/20/2019	RAL



CERTIFICATE OF ANALYSIS

CLIENT: SeaCast, Inc.
6130 - 31st Ave NE,
Marysville, WA 98271

CLIENT CONTACT: Jerry McCaslin
CLIENT PROJECT: Cistern Cleanout

DATE: 12/23/2019
ALS SDG#: EV19120144
WDOE ACCREDITATION: C601

LABORATORY CONTROL SAMPLE RESULTS

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Selenium - BSD	EPA-200.8	101	0		90.2	113	12/20/2019	RAL
Silver - BS	EPA-200.8	102			80	120	12/20/2019	RAL
Silver - BSD	EPA-200.8	103	1		80	120	12/20/2019	RAL
Sodium - BS	EPA-200.8	102			80	103	12/20/2019	RAL
Sodium - BSD	EPA-200.8	101	1		80	103	12/20/2019	RAL
Thallium - BS	EPA-200.8	99.9			88	103	12/20/2019	RAL
Thallium - BSD	EPA-200.8	100	1		88	103	12/20/2019	RAL
Vanadium - BS	EPA-200.8	102			80.1	108	12/20/2019	RAL
Vanadium - BSD	EPA-200.8	102	0		80.1	108	12/20/2019	RAL
Zinc - BS	EPA-200.8	99.1			88.2	111	12/20/2019	RAL
Zinc - BSD	EPA-200.8	98.9	0		88.2	111	12/20/2019	RAL

APPROVED BY

Laboratory Director

