Alaska Department of Environmental Conservation

Division of Water

Authorization to Discharge - DRAFT

AUTHORIZATION TO DISCHARGE UNDER THE ALASKA POLLUTANT DISCHARGE ELIMINATION SYSTEM FOR OFFSHORE SEAFOOD PROCESSORS IN ALASKA

FACILITY ASSIGNED AUTHORIZATION NUMBER: AKG523018

GENERAL PERMIT NUMBER: AKG523000
See General Permit for all permit requirements

The following facility is authorized to discharge in accordance with the terms of the State of Alaska General Permit AKG523000 and any site specific requirements listed in this authorization.

The authorization effective date is **DRAFT**

The authorization to discharge shall expire at midnight, **December 31, 2023**

The permittee shall reapply for a permit reissuance on or before **October 1, 2023**, 90 days prior to the expiration of the general permit.

SECTION 1 – RESPONSIBLE PARTY

Issued to: Shawn Stokes, Regulatory Affairs Director, Trident Seafoods

SECTION 2 – VESSEL INFORMATION

Vessel Name	Island Enterprise
Vessel Category	Stationary offshore processing vessel discharging from shore to 3.0 nm from shore at MLLW, or baseline

Discharge Site Location	Latitude	Longitude	Receiving Water
Aaron Island- Mark 164	58.44200	-134.804000	Favorite Channel
Amalga Harbor- Mark 165	58.51100	-134.87900	Amalga Harbor
Benjamin Island- Mark 166	58.56100	-134.98000	Lynn Canal
Benjamin Island- Mark 167	58.55400	-134.96200	Lynn Canal
Benjamin Island- Mark 168	58.53700	-134.94000	Lynn Canal
Bostwick Inlet- Gravina Island- Mark 642	55.21333	-131.70333	Bostwick Inlet
Broad Bay- Mark 613	53.93157	-166.62290	Broad Bay
Castle Bay- Mark 607	56.21350	-158.28685	Castle Bay
Castle Bay- Mark 649	56.20283	-158.26167	Castle Bay
Castle Bay- NW Arm- Mark 024	56.22873	-158.36657	Castle Bay
Castle Bay- NW Arm- Mark 025	56.22227	-158.37112	Castle Bay
Clarks Point- Mark 050	58.83700	-158.59800	Bristol Bay
Clarks Point- Mark 051	58.841000	-158.59500	Bristol Bay
Clarks Point- Mark 052	58.84700	-158.57200	Bristol Bay
Clarks Point- Mark 053	58.84267	-158.57445	Bristol Bay

Discharge Site Location	Latitude	Longitude	Receiving Water
Clarks Point- Mark 054	58.83990	-158.57702	Bristol Bay
Clarks Point- Mark 055	58.83778	-158.57983	Bristol Bay
Clarks Point- Mark 062	58.75800	-158.51700	Bristol Bay
Clarks Point- Mark 063	58.72400	-158.49200	Bristol Bay
East Woronkofski Island- Mark 514	56.43700	-132.4400	Zimovia Strait
Excursion Inlet- Mark 601	58.30600	-135.39600	Excursion Inlet
Felice Strait- Mark 533	55.05100	-131.25200	Felice Strait
Felice Strait- Mark 534	55.10400	-131.23400	Felice Strait
Felice Strait- Mark 535	55.09300	-131.32900	Felice Strait
Felice Strait- Mark 536	55.09200	-131.34500	Felice Strait
Harvester Island- Mark 603	57.64033	-153.97278	Uyak Bay
Humpback Bay- Mark 528	55.83800	-159.31900	Humpback Bay
Humpback Bay- Mark 529	55.86700	-159.19800	Humpback Bay
Humpback Bay- Mark 214	53.74658	-166.87160	Humpback Bay
Jack Bay- Mark 136	61.03283	-146.62092	Jack Bay
Jacob Island- Mark 636	55.75363	-159.45537	Gulf of Alaska
Kaguyak Bay- Mark 606	56.88292	-153.72450	Kaguyak Bay
Kake- Hamilton Bay- Mark 171	56.89400	-133.85400	Hamilton Bay
Kelp Bay- Mark 511	57.30848	-134.85320	Kelp Bay
Kizhuyak Bay- Mark 091	57.79500	-152.87500	Kizhuyak Bay
Kizhuyak Bay- Mark 522	57.87200	-152.80800	Kizhuyak Bay
Kizhuyak Bay- Mark 547	57.87000	-152.750000	Kizhuyak Bay
Kizhuyak Bay- Mark 548	57.88100	-152.782000	Kizhuyak Bay
Korovin Bay- Mark 616	52.23468	-174.29713	Korovin Bay
Korovin Island- Mark 624	55.37000	-160.19900	Gorman Strait
Macleod Harbor- Mark 155	59.88240	-147.80113	Macleod Harbor
Mud Bay- Mark 631	56.41910	-158.34982	Mud Bay
Naginak Cove- Mark 614	53.65415	-166.84462	Naginak Cove
Naked Island- Mark 137	60.70300	-147.51400	Liljegren Passage
Naked Island- Mark 138	60.70900	-147.50900	Liljegren Passage
Naked Island- Mark 139	60.70900	-147.50000	Liljegren Passage
Naked Island- Mark 140	60.70400	-147.47600	Liljegren Passage
Naked Island- Mark 141	60.71160	-147.43882	Liljegren Passage
Naked Island- Mark 142	60.67193	-147.48108	Cabin Bay
Naked Island- Mark 143	60.65920	-147.37630	McPherson Bay
Naked Island- Mark 144	60.67065	-147.35342	McPherson Bay
Naked Island- Mark 147	60.71300	-147.52100	Liljegren Passage
Naked Island- Mark 148	60.71700	-147.53000	Liljegren Passage

Discharge Site Location	Latitude	Longitude	Receiving Water
Naked Island- Mark 149	60.63167	-147.40265	Bass Harbor
Naked Island-Cabin Bay- Mark 132	60.67300	-147.52100	Cabin Bay
Naked Island-Cabin Bay- Mark 133	60.66800	-147.53000	Cabin Bay
Naked Island-Cabin Bay- Mark 134	60.64700	-147.53800	Cabin Bay
Naked Island-Cabin Bay- Mark 135	60.64200	-147.53800	Cabin Bay
Naknek Y- Mark 056	58.71400	-157.21000	Bristol Bay
Naknek Y- Mark 057	58.71000	-157.23000	Bristol Bay
Naknek Y- Mark 058	58.69500	-157.26600	Bristol Bay
Naknek Y- Mark 059	58.71800	-157.20400	Bristol Bay
Naknek Y- Mark 060	58.69500	-157.27100	Bristol Bay
Naknek Y- Mark 061	58.68400	-157.29300	Bristol Bay
Nazan Bay- Mark 045	52.22700	-174.17683	Nazan Bay
Nazan Bay- Mark 046	52.21500	-174.17500	Nazan Bay
Nazan Bay- Mark 047	52.22422	-174.13800	Nazan Bay
Nazan Bay- Mark 048	52.22353	-174.10807	Nazan Bay
Nelson Bay- Mark 150	60.64100	-145.68500	Nelson Bay
Nichols Passage- Mark 532	55.16500	-131.61300	Nichols Passage
Noyes Island South- Mark 172	55.44200	-133.72900	North Pacific Ocean
Noyes Island South- Mark 173	55.54400	-133.55900	St. Nicholas Channel
Palisades Cliff- Mark 611	54.78900	-163.31400	Ikatan Bay
Peril Strait- Mark 537	57.42400	-134.85400	Peril Strait
Peril Strait- Mark 538	57.42300	-135.04100	Hanus Bay
Pirate Cove- Mark 033	55.36822	-160.37343	Korovin Strait
Port Bailey- Mark 087	57.94342	-153.05667	Dry Spruce Bay
Port Bailey- Mark 092	57.93370	-153.02025	Dry Spruce Bay
Port Conclusion- Mark 174	56.27997	-134.65353	Port Conclusion
Port Etches- Mark 151	60.33600	-146.60000	Port Etches
Port Etches- Mark 152	60.34568	-146.55690	Port Etches
Port Gravina- Mark 153	60.69400	-146.31000	Port Gravina
Port Hobron- Mark 093	57.16742	-153.15925	Port Hobron
Port Lions- Mark 094	57.87817	-152.83013	Port Lions
Port Lions- Mark 095	57.86300	-152.824	Port Lions
Portage Bay- Mark 221	53.72125	-166.71757	Portage Bay
Portage Bay- Mark 628	57.50500	-155.957	Portage Bay
Pt. McCartney- Kake- Mark 643	57.00750	-134.05100	Frederick Sound
Puale Bay- Mark 625	57.70300	-155.50300	Puale Bay
Pybus Bay- Mark 600	57.29200	-133.93400	Pybus Bay
Saginaw Bay- Mark 513	56.91300	-134.27800	Saginaw Bay

Discharge Site Location	Latitude	Longitude	Receiving Water
Sharatin Bay- Mark 096	57.85700	-152.74700	Sharatin Bay
Sharatin Bay- Mark 523	57.86500	-152.74800	Sharatin Bay
Shearwater Bay- Mark 604	57.33500	-152.91147	Shearwater Bay
Sheep Bay- Mark 156	60.63800	-146.04500	Sheep Bay
Sheep Bay- Mark 157	60.61400	-146.06000	Sheep Bay
Sitkalitic Strait- Mark 605	57.17063	-153.31757	Sitkalitic Strait
St. Nicholas Channel- Mark 540	55.48300	-133.61600	St. Nicholas Channel
St. Nicholas Channel- Mark 541	55.50200	-133.55800	St. Nicholas Channel
St. Nicholas Channel- Mark 542	55.52600	-133.57000	St. Nicholas Channel
Steamboat Bay- Mark 176	55.55320	-133.63755	Steamboat Bay
Tatitlek Narrows- Mark 158	60.90085	-146.73168	Tatitlek Narrows
Tenakee Inlet- Mark 510	57.75638	-135.00935	Tenakee Inlet
Tenakee Inlet- Mark 539	57.74800	-135.13600	Tenakee Inlet
Tenakee Inlet- Mark 544	57.74400	-135.22200	Tenakee Inlet
Tenakee Inlet- Mark 550	57.75000	-135.22500	Tenakee Inlet
Tenakee Inlet- Mark 644	57.75167	-135.29833	Tenakee Inlet
Two Moon Bay- Mark 131	60.75600	-146.55400	Two Moon Bay
Two Moon Bay- Mark 159	60.75800	-146.55900	Two Moon Bay
Unakwik Inlet- Mark 160	60.96668	-147.61117	Unakwik Inlet
Unakwik Inlet- Mark 161	60.96375	-147.60223	Unakwik Inlet
Zachary Strait- Mark 040	55.40100	-160.60400	Zachary Strait

SECTION 3 – OUTFALL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	
EFFLUENT LIMITATIONS	
Compliance Point	After the last vessel structure before discharge into receiving waters or to subsequent mixing with other water flows.
Amount of Seafood Waste Discharge Limitation	A permittee shall not discharge a cumulative amount (by weight) of seafood processing waste on a daily or annual basis which exceeds the amount for each single location and area of operation as projected on the January 1, 2019 Notice of Intent. Discharge maximums are listed for each specific discharge location on the NOI. These maximum discharges are cumulative totals for all vessels proposed to discharge (Aleutian Falcon, Independence, Island Enterprise, Kodiak Enterprise, or Seattle Enterprise) for each single discharge location. Where discharges from multiple vessels may be occurring at identical locations or single areas of operation sites, and are within 1.0 nm from shore - No more than 3,300,000 lbs. of seafood waste, cumulatively between all vessels, shall be discharged at each site.
MONITORING REQUIREMENTS	
Seafood Processing Effluent	Refer to Table 2 and 3 in General Permit
MSD System	Refer to Table 4 in General Permit
Graywater System	Refer to Table 5 in General Permit
Non-commingled Effluent	Refer to Table 6 in General Permit

SECTION 4 – RECEIVING WATER		
Latitude	**Longitude**	**Receiving Water**
As designated on the NOI	As designated on the NOI	As designated on the NOI
Receiving Water Monitoring Requirements	**Refer to Table 7, 8 and 9 in General Permit**	

SECTION 5 – MIXING ZONE	
Mixing Zone Compliance Point:	All Alaska Water Quality Standards shall be met at the boundary of each authorized mixing zone at each single discharge location within an authorized area of operation.
Mixing Zone Authorization:	The discharge is assigned a mixing zone at each discharge location within an authorized area of operation listed in the NOI.
Mixing Zone Description:	The mixing zone size for each discharge location within an authorized area of operation listed in the NOI is the standard mixing zone, a circle with a 100 foot radius centered on the outfall terminus extending from the seafloor to the sea surface.
Water quality criteria that may be exceeded:	Dissolved gas, oil and grease (O&G – polar), pH, temperature, color, turbidity, residues, fecal coliform and enterococci bacteria, and total residual chlorine.

SECTION 6 – ZONE OF DEPOSIT

Zone of Deposit Authorized?	☒ Yes		☐ No	
Zone of Deposit Location	Latitude	Longitude	Size of ZOD	Receiving Water
Each location listed in the authorized Discharge Location Table included in Section 2 above.	See Section 2 above.	See Section 2 above.	1 Acre	See Section 2 above.

Zone of Deposit Seafloor Survey: For each location where the permittee meets the applicability requirements found in Permit Part 2.3.4.1, the Permittee shall conduct a seafloor survey within the zone of deposit to evaluate compliance with Alaska water quality criteria for residues in marine waters and to determine the extent of ground waste accumulations on the seafloor. The survey shall be conducted within 60 days after cessation of the ground waste discharge for the season. Based on the seafloor survey results and residue accumulation, the permittee shall follow the seafloor monitoring schedule in Permit Table 10. The permittee shall use a DEC-approved seafloor survey protocol.

Seafloor survey results shall be documented as part of the annual report.

SECTION 7 – SITE SPECIFIC REQUIREMENTS

1. For all discharges located within Excluded Areas (Permit Part 1.4), the permittee shall have an individual on the vessel trained and capable of identifying the listed endangered and threatened species (e.g., spectacled eiders, Steller's eiders, Northern sea otters, sea lions, etc.). Provide reports of sightings(s), including injured or dead animals with the required Sea Surface Monitoring Report.

2. Sea Otter Critical Habitat. When moving to an approved discharge location and/or area(s)-of-operation in or near sea otter critical habitat, the permittee should follow recommended vessel strike avoidance measures to reduce the risk of collisions with sea otters.

3. Permittees shall minimize the discharge of bilge water within the critical habitat area unless it is for safety reasons. If bilge water shall be discharged for safety reasons, use oil/water separators or similar treatment technology on the outgoing bilge line.

4. Kodiak Island- Sharatin Bay Locations. A monitoring study must be developed by the permittee and approved by DEC prior to the discharge of seafood processing waste at these locations in order to characterize the impacts to the benthos from the vessel's seafood processing waste. Each monitoring study must be submitted to DEC for review and approval at least 90 days before discharging at these locations.

5. Per Permit Part 2.1.3.3.2, discharges of stickwater and washed mince and/or paste effluent are prohibited in the shore to 1.0 nm area from shore.

6. Per Permit Part 2.1.3.3.3, discharges of all other by-product effluent are prohibited in the shore to 0.5 nm area from shore.

SECTION 8 – Electronic Reporting (E-Reporting) Rule for Discharge Monitoring Reports (DMR)

The permittee must submit DMR data electronically through NetDMR per Phase I of the E-Reporting Rule (40 CFR 127) upon the effective date of the Permit. Authorized persons may access permit information by logging into the NetDMR Portal (https://cdxnodengn.epa.gov/oeca-netdmr-web/action/login). DMRs submitted in compliance with the E-Reporting Rule are not required to be submitted as described in Appendix A – Standard Conditions unless requested or approved by the Department. Any DMR data required by the Permit that cannot be reported in a NetDMR field (e.g. mixing zone receiving water data, etc…), shall be included as an attachment to the NetDMR submittal. DEC has established an e-Reporting Information website at http://dec.alaska.gov/water/compliance/electronic-reporting-rule that contains general information about this new reporting format. Training materials and webinars for NetDMR can be found at https://netdmr.zendesk.com/home.

SECTION 9 – DEC STAFF CONTACT

If you have any technical questions regarding this authorization or the requirements of the general permit, please contact Jackie Ebert at jackie.ebert@alaska.gov or (907) 465-5336.

If you have questions regarding compliance with any permit or authorization requirement, please call:

- Southeast Alaska: Jon Wendel at Jon.Wendel@alaska.gov or (907) 465-5364
- Southcentral Alaska: Katrina Chambon at Katrina.Chambon@alaska.gov or (907) 269-7550

If you have questions regarding NetDMR, please contact Lisa Hart at Lisa.Hart@alaska.gov or (907) 376-1872.

A permittee shall orally report any noncompliance event that may endanger health or the environment within 24 hours after the permittee becomes aware of the circumstances and in writing within five days after the permittee becomes aware of the circumstances. Please use the phone numbers and addresses below to report noncompliance events. Additional information regarding twenty-four hour reporting may be found in Appendix A of General Permit AKG523000. The required written follow-up notification can be sent via fax, email, or U.S. Postal Service.

Alaska Department of Environmental Conservation Attn: Compliance and Enforcement Program 555 Cordova Street Anchorage, Alaska 99501	Toll Free Nationwide: 1-800-569-4114 Anchorage or International: 1-907-269-4114 Fax: 1-907-269-4604 Email: dec-wqreporting@alaska.gov

SECTION 10 – CERTIFICATION/SIGNATURE

DRAFT Signature	DRAFT Date
Earl L. Crapps Printed Name	Section Manager Domestic & Industrial Utilities Title

SECTION 11 – ATTACHMENTS

The following AKG523000 Offshore Seafood Processor reporting forms are available electronically by clicking on the icons immediately following the form title.

AKG523000 Offshore Seafood Annual Report Form

AKG523000 Annual Report Attachment E-1

AKG523000 Annual Report Attachment E-2

Attachment B Seafood Waste Size and Waste Conveyance Inspection Form

Attachment C Sea Surface Log Form

Attachment D Seafloor Survey and Transect Form

Attachment F QAPP/BMP Certification Form

Attachment G Notice of Termination Form