SCANNED
6/25/12

RECEIVED
JUN 25 2012
DEC
Division of Water Quality
Wastewater Discharge Program

NOTICE OF INTENT

to be covered under
APDES GENERAL PERMIT AK-G52-0000
for
SEAFOOD PROCESSORS IN ALASKA
(See Part IV.C. of the Permit, reissued 2001)

Please submit this NOI to:

Department of Environmental Conservation
Division of Water

555 Cordova Street
Anchorage, AK 99501

Submittal of this document constitutes notice that the party identified in Section 1 intends to be covered by the APDES general permit authorizing discharges from seafood processing activities in Alaska and obligates the permittee to comply with the terms and conditions of the permit.

Please fill in all information. Attach supplemental information sheets as appropriate.

SECTION 1 - PERMIT INFORMATION

APDES PERMIT NO. AK-G52 - 0508	ADEC Number (Seafood Processor License) AK511 UNK

SECTION 2 - OPERATOR INFORMATION (Part IV.C.2)

Company Name NSEDC dba Norton Sound Seafood Products	
Address 420 L Street - Suite 310	Phone (907)624-3014
City/State/Zip Anchorage, AK 99501	FAX (907)624-3808
Representative/Title Reese Huhta/ Southern Operations Manager	E-mail reese@nsedc.com

SECTION 3 - OWNER INFORMATION (Part IV.C.3)

Owner Name Norton Sound Economic Development Corporation	
Address 420 L Street - Suite 310	Phone (907)274-2248
City/State/Zip Anchorage, AK 99501	FAX (907)274-2249
Representative/Title Janis Ivanoff/ President & CEO	E-mail jdivanoff@nsedc.com

SECTION 4 - FACILITY or VESSEL INFORMATION (Part IV.C.4)

Facility/Vessel Name Norton Sound Seafood Products - Unalakleet Fish Plant	No of Employees 60
Address P.O. Box 323	Phone (907)624-3014
City/State/Zip Unalakleet, AK 99684	FAX (907)624-3808

Latitude and Longitude of Discharge(s) 63.871369 North, 160.783725 West

Previous facility/vessel name(s) N/A

Type of vessel N/A	USCG no.	Vessel length

SECTION 5 - FACILITY CLASSIFICATION (Part IV.C.5; Check each that applies)

	Offshore floating seafood processor: operating and discharging between 1 and 3 nautical mile from shore at MLLW
	Nearshore floating seafood processor: operating and discharging from one (1) to one half (0.5) nautical mile from shore at MLLW
✓	Shore-based seafood processor: operating and discharging less than one half (0.5) nautical mile from shore at MLLW (Includes vessels that meet discharge location criteria)

SECTION 6 - PROJECTED PRODUCTION INFORMATION (Part IV.C.6; Check all that apply)

✓	Whole	✓	Head-on & Gutted	✓	Headed & Gutted	✓	Fillets		Cured, salted or smoked
	Canned		Fish meal		Surimi, fish paste		Mince, dry/ washed		Mince, wet/ unwashed
✓	Roe		Crab: whole, pieces		Shrimp, scallops, clams, oysters, snails, urchins, cucumbers (circle appropriate items)				Other (identify):

Catch Processed (by type, e.g., cod, pollock, salmon)	Finished Product (by type, e.g., fillets, surimi, canned)	24-hour Design Capacity in lbs of processing raw product	Location (Lat/Long or ADF&G areas)	Anticipated Processing Activity -- Number of days per month											
				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Salmon, Fresh/Frozen	Headed & Gutted	18,000	63-52-17 N 160-46-54W						10	31	31	18			

SECTION 7 - RECEIVING WATER INFORMATION (Part IV.C.7)

Name(s) of waterbody(ies) receiving discharges of the facility Unalakleet River Estuary

Name of any larger, adjacent receiving waterbody(ies) Norton Sound

List any areas within three (3) nautical miles of operation which are excluded from coverage under the General Permit (e.g., Parks, Preserves, Refuges, Critical Habitats etc.)

None

Nature of Receiving Water: Discharge is to marine water ☐ Discharge is to fresh water ☐ Discharge is to estuary or tidal tributary ☑

Attention: Nearshore and Shore-based Processors must submit a bathymetric map of the receiving water within one (1) nautical mile of the discharge showing the location of the facility and all discharge point(s)

SECTION 8 - DESCRIPTION of DISCHARGES (Part IV.C.8)

Sanitary Wastes

	Package Treatment Plant	X	Municipal System
	On-site septic system		Community Septic system
	USCG Approved System (MSD) Type:		Capacity (gals/day):

Seafood Processing Wastes

Outfall depth: 16 ft.	Outfall distance from shore: 40 ft.	Water depth at outfall: 16 ft.

Vessels indicate the range of water column depths at which vessel discharges processing wastes: to ft.

Grinder - Type/Name: Auto Mdl. 601 Low Prd. Grinds seafood wastes to: 3/8 inch width

Other Wastewaters (Check all that apply)

	Process disinfectants		Transfer water
	Cooling water		Gray water
	Boiler water		Live tank water
	Cooking water		Air scrubber water
✓	Refrigerated seawater		Other (name):

Projected Maximum Quantity in lbs of Process Waste Solids that are Discharged

Specific Species Processed	TOTAL DAILY Amount of Solids Discharged	TOTAL ANNUAL Amount of Solids Discharged
Salmon	4,500 lbs.	405,000 lbs.
	lbs.	lbs.
	lbs.	lbs.

SECTION 9 - REFUELING CAPABILITY and PROXIMITY TO FUELING STATIONS (Part VI.C.9)

Does your facility/vessel refuel fishing vessels? Yes ☐ No ✓
If yes, what is the capacity of your refueling tanks?

If no, what is the location and distance to the nearest refueling station? 1/2 Mile or Fuel Truck at Dock

SECTION 10 - SUBMITTALS (Part IV.C.10; to be attached to this NOI) * shore-based & near-shore processors only

✓	Letter certifying that the facility has developed and operates in accordance with a Best Management Practices Plan
✓	Location Map showing the location of the facility in the context of the coastal area of Alaska *
✓	Bathymetric Map of Receiving Water showing facility, outfall and water depths within one mile of the discharge *
	Waiver Request (for seafloor survey, discharging to excluded areas (Part III.A,B,C), if applicable

SECTION 11- SIGNATURE and CERTIFICATION (Part IV.C.11)

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

Signature Principal or Partner	Title/Company Southern Operations Manager/NSSP
Print Name Reese Huhta	Date June 15, 2012

Alaska Department of Environmental Conservation
Division of Water Compliance and Enforvement Program
555 Cordova Street
Anchorage, Alaska 99501

Dear Mr. Shawn Stokes,

Norton Sound Seafood Products (NSSP) operates a salmon processing plant in Unalakleet, Alaska. A 6" PVC outfall line (40') is connected each season to the shoreside pipe running from the plant. This outfall line is removed at the end of each season (Sept.) so winter river shorefast and flow ice doesn't destroy the line.

The MLW depth at the end of the outfall pipe is 16ft. The deposit zone is surveyed each year and no discharge build-up has been found. The river current and tidal currents, as well as winter ice break-up rids the deposit zone of any accumulated discharge. Discharge waste has never been observed at the end of the outfall.

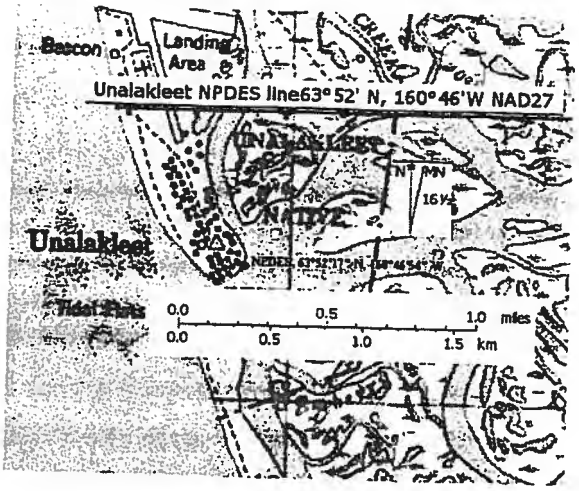
Please find enclosed detailed vicinity maps for the outfall location in Unalakleet.

Please include this document with our discharge permit renewal application, 2012 Notice of Intent, Annual Report for year 2011, and supporting materials.
Unalakleet Plant, AK G52-0508-AK 511

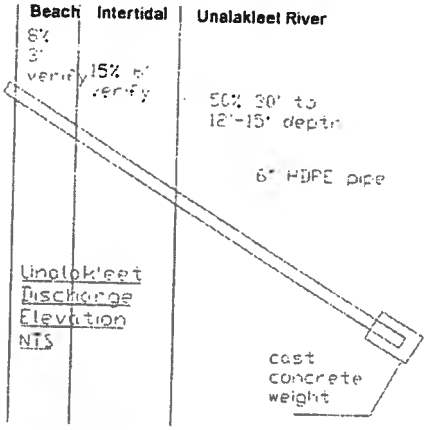
Thank You,

Reese Huhta/Southern Operations Manager
Norton Sound Seafood Products

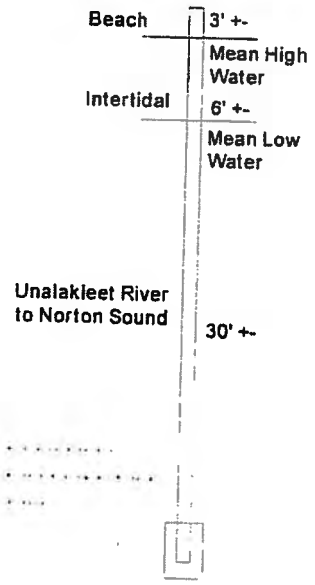
VICINITY MAP
From USGS Quad Unalakleet



Elevation View

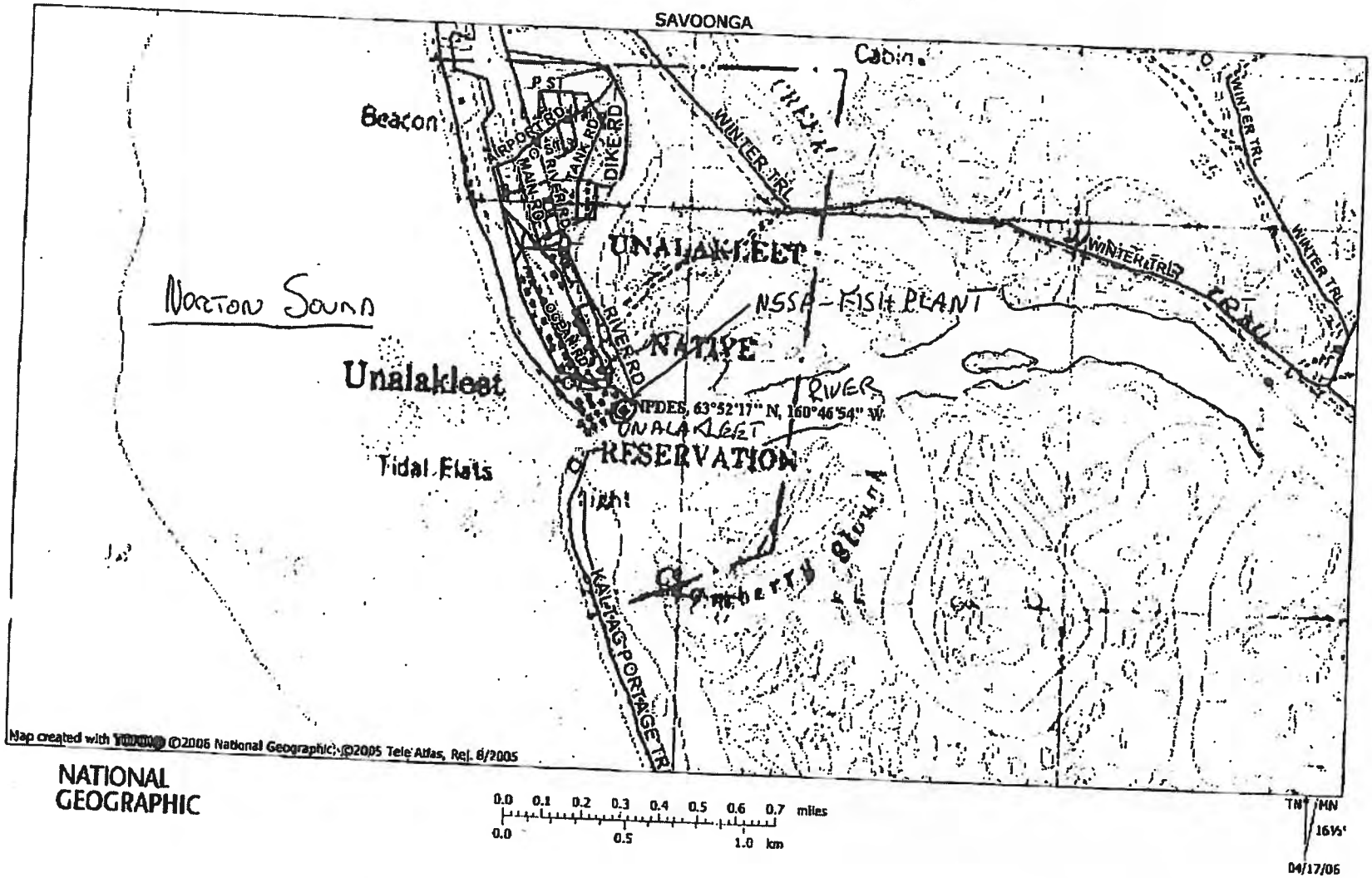


PLAN VIEW DISCHARGE LINE

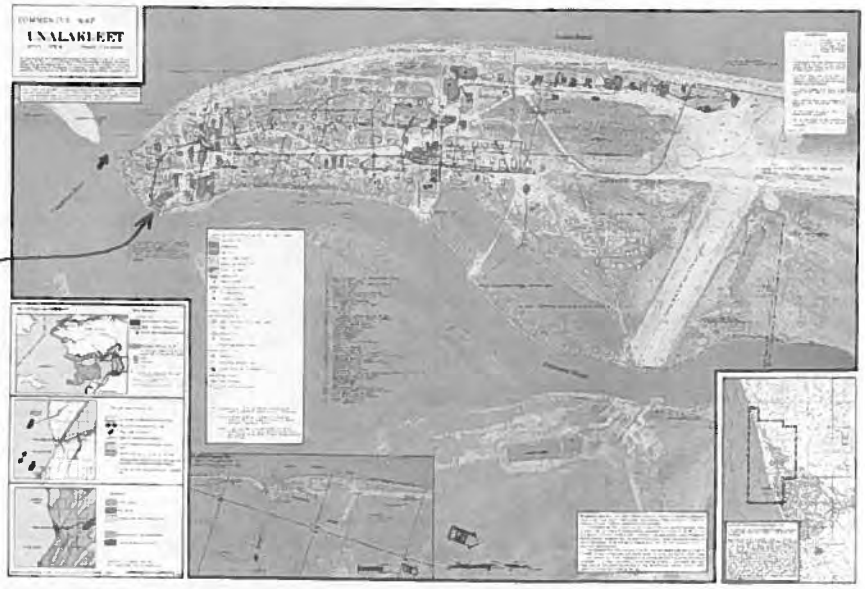


NOTES

1. **Discharge line consists of 6" HDPE Pipe w/ nominal 100# concrete weight at end**
2. **Line is perpendicular to beach**
3. **Line starts at connection to buried line at gabion wall**
4. **Easement extent 3'x40'**


SAVOONGA
Cabin
Beacon
P ST
AIRPORT RD
MAIN RD
TANK RD
DIKE RD
RIVER RD
OCEAN RD
WINTER TRL
WINTER TRL
WINTER TRL
WINTER TRL
WINTER TRL
UNALAKLEET
NSSA - FISH PLANT
NATIVE
RIVER
Norton Sound
Unalakleet
NPDES, 63°52'17" N, 160°46'54" W
UNALAKLEET
RESERVATION
Tidal Flats
KALTAG PORTAGE TR
Map created with TOPO! ©2006 National Geographic, ©2005 Tele Atlas, Rel. 8/2005
NATIONAL GEOGRAPHIC
0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 miles
0.0 0.5 1.0 km
TN MN
16½°
04/17/06

Notes & Legend
AREA USE MAP
UNALAKLEET
UNALAKLEET CITY BOUNDARY
UNALAKLEET CITY BOUNDARY
UNALAKLEET CITY BOUNDARY
UNALAKLEET CITY BOUNDARY
UNALAKLEET RIVER
UNALAKLEET RIVER
CRANBERRY SLOUGH
TRAIL
CREEK
KOUWEGOK SLOUGH
KOUWEGOK SLOUGH
NSP UNALAKLEET FISH PLANT
NORTON BAY
NORTON SOUND
NORTON SOUND



NSSP
UNALAKLEET
FISH PLANT

NORTON SOUND SEAFOODS
NORTON SOUND, ALASKA

NORTON SOUND SEAFOODS
PO BOX 323
SEATTLE, WA 98199

Phone 907-624-3807
Fax 907-624-3808

JUNE 2011

NORTON SOUND SEAFOODS

DIVE SURVEY REPORT

ENVIRO-TECH DIVING, INC.
OUR OFFICE IS 3/4 OF THE WORLD

LEAD DIVER Tim Jewell _____

JUNE 18, 2011

Executive Summary

At the request of NSEDC, Enviro-Tech Diving Inc. performed a dive survey at the Norton Sound Seafoods plant located at the mouth of the Unalakleet River Unalakleet, Alaska at position 63°.871276 North, 160°.784419 West (Diagram 1, p. 2,)

DIAGRAM 1

This outfall is removed every year due to ice scour, however the pipe extends from the shore 40' and terminates at position 63°.871369 North, 160°.783725 West (Diagram 2, p. 2)

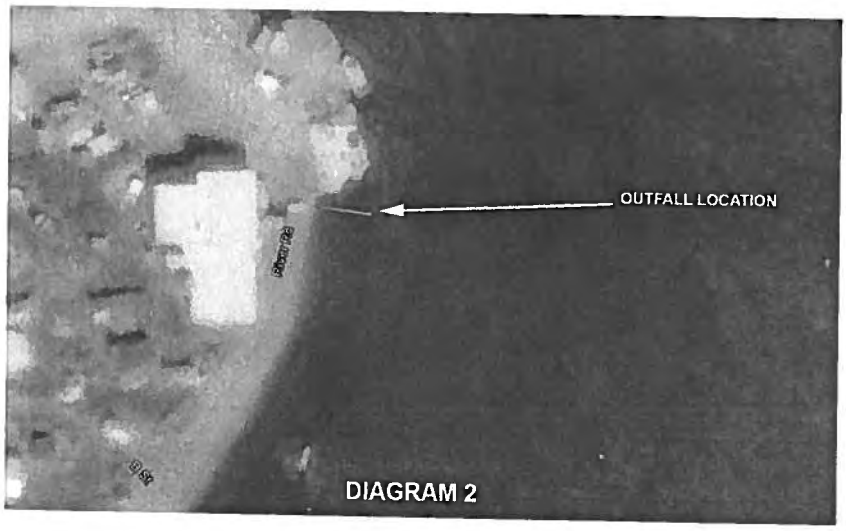


DIAGRAM 2

The discharge area is subject to strong currents from tidal changes coupled with river flows. This coupled with heavy ice conditions during the winter continually scour the bottom at the discharge point The water depth is very shallow and at the discharge point. There is little tidal current data available for this area, however past studies indicate tidal currents up to 0.97 kts.

Examination of the bottom revealed that there was no observable impact. No processing waste of any kind was observed and no marine debris was seen on the bottom. Given the strong currents any particulate from processing would be immediately dispersed.

FINDINGS

DIVER OBSERVATIONS

The outfall line from the NSEDC Unalakleet plant extends from the base of the gabion basket wall to the east of the processing plant (Diagram 3, p.xx xx). The pipe is removed every fall to prevent damage due to ice in the river. The 40 ' outfall is soft coupled to this pipe and extended in a due East direction.

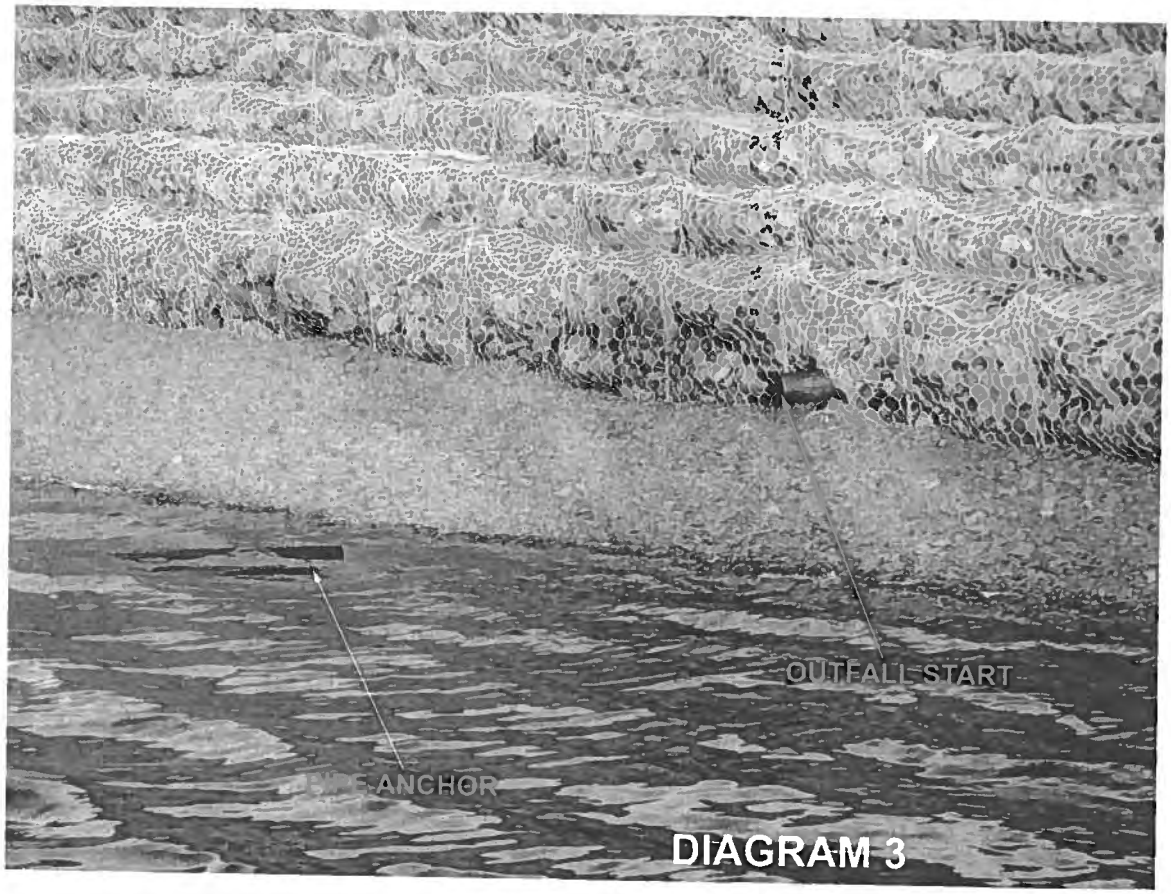


DIAGRAM 3

The outfall if installed would terminate in -7' MLLW. The current is strong during the both the ebb and flood tides and a constant river flow even during slack tide. The bottom substrate is a small rock cobble with a layer of silt on top. Visibility is limited to less than 10 feet. The diver examined the area at the termination in all four

directions and found no waste present. Further the diver performed a 50' circle search to ensure no waste was present either up or down stream. At the discharge site the diver took 5 scaled pictures even though no waste was present and these pictures can be view in the section labeled scaled pictures later in this report.

Conclusions

The discharge areas constant current flow will continue to disperse any seafood processing byproduct in the area. The increase current flows during the ebb tides will further aid in dispersion. Since the area is regularly scoured by ice and the seasonality of processing operations make any buildup of waste in highly unlikely

METHODOLOGY

SURVEY METHODOLOGY DESCRIPTION

This survey was conducted using the Alaska General Permit, seafloor monitoring "Tier 1" monitoring parameters. One transect was extended in a due east (magnetic) starting 40' before the outfall terminus (base of wall) and extending 400' in front of the outfall. The second transect was extended 40' to both the north and south (magnetic) direction (80' total) 90° from the first transect (Diagram 4, p. 6)

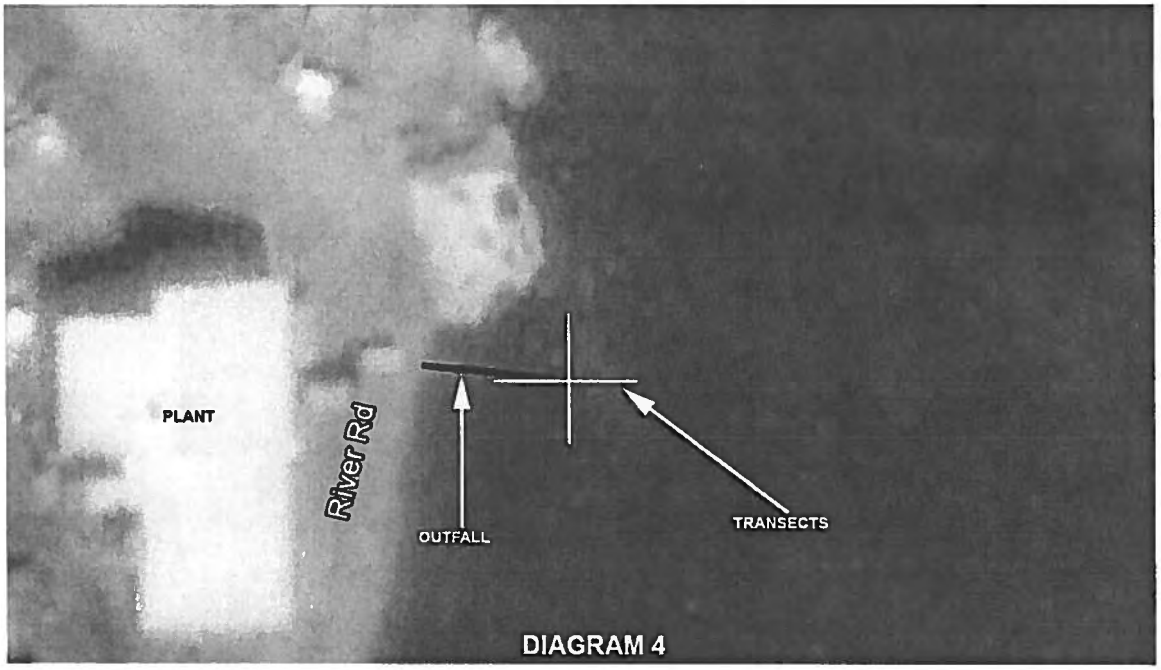


DIAGRAM 4

.Water depths were taken by the diver from a UATEC SMART PRO dive computer (Diagram 5, p. 7). Waste depth was taken with a hollow slotted PVC probe marked every tenth of a foot for measuring purposes. The probes construction ensured the diver could effectively examine the substrate and determine waste content. Closer additional data points were taken in areas marked by greater topographic anomalies. This was done at the diver's discretion depending on the waste present and the extremity of the irregularity. Upon completion of each dive, divers immediately and extensively debriefed on observations made during the dive.

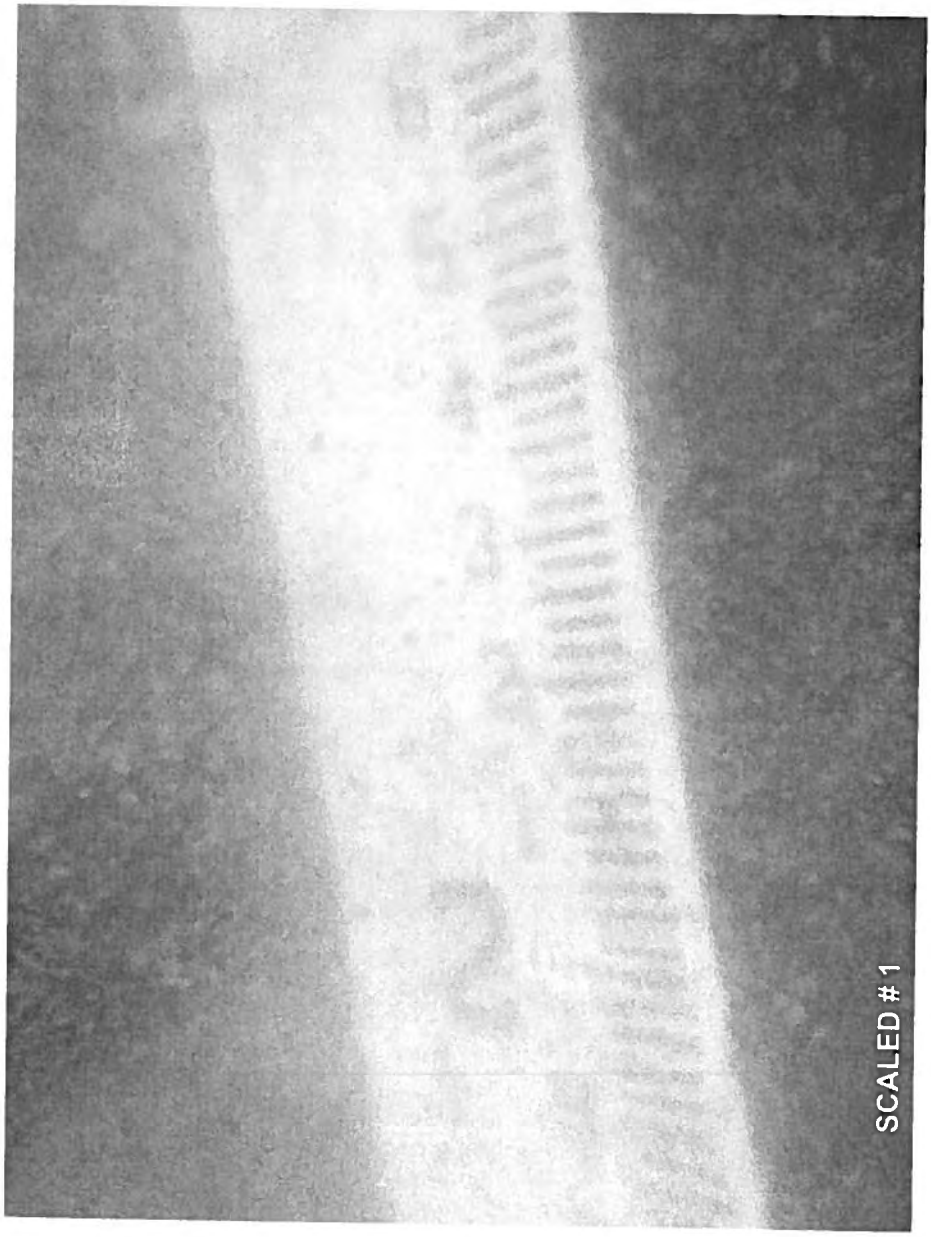
DIAGRAM 4

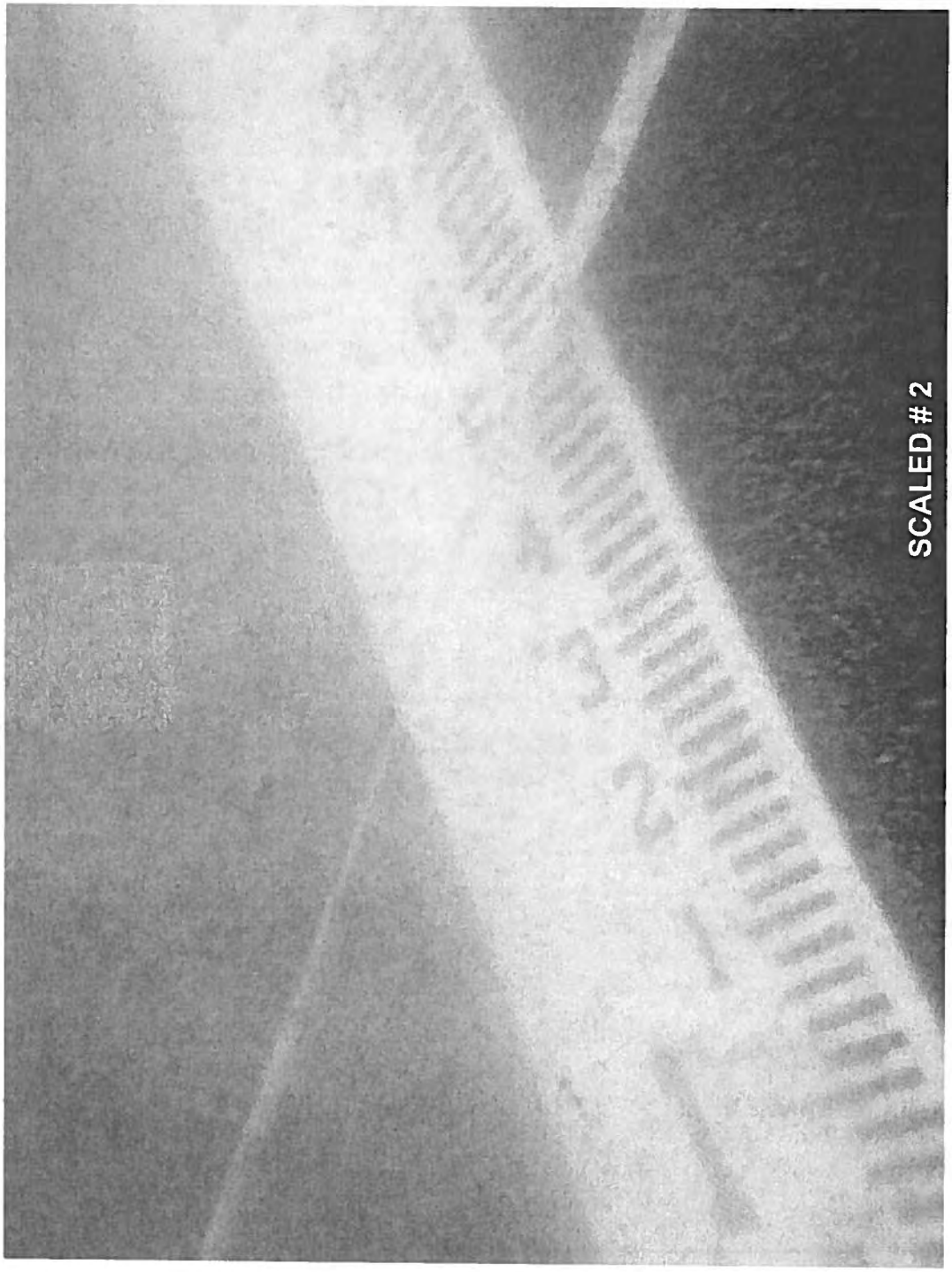
Scaled still pictures were taken at five different locations in the immediate area of the outfall terminus, and these pictures can be reviewed under the section labeled scaled pictures in this report. Please note that the bottom depths may vary slightly due to the rounding off of tidal range to the nearest foot and the ability of the diver's computer to measure depth to an accuracy of +/- 1.0 foot. These depths may vary from the bathymetric survey depths due to the following conditions:

1. Divers rounded tidal differences to the ¼ hour.
2. Divers convert depths off tidal predictions for Unalakleet and not the actual tide present at the outfall site.
3. Dive computers cannot compensate for swell and wave conditions.

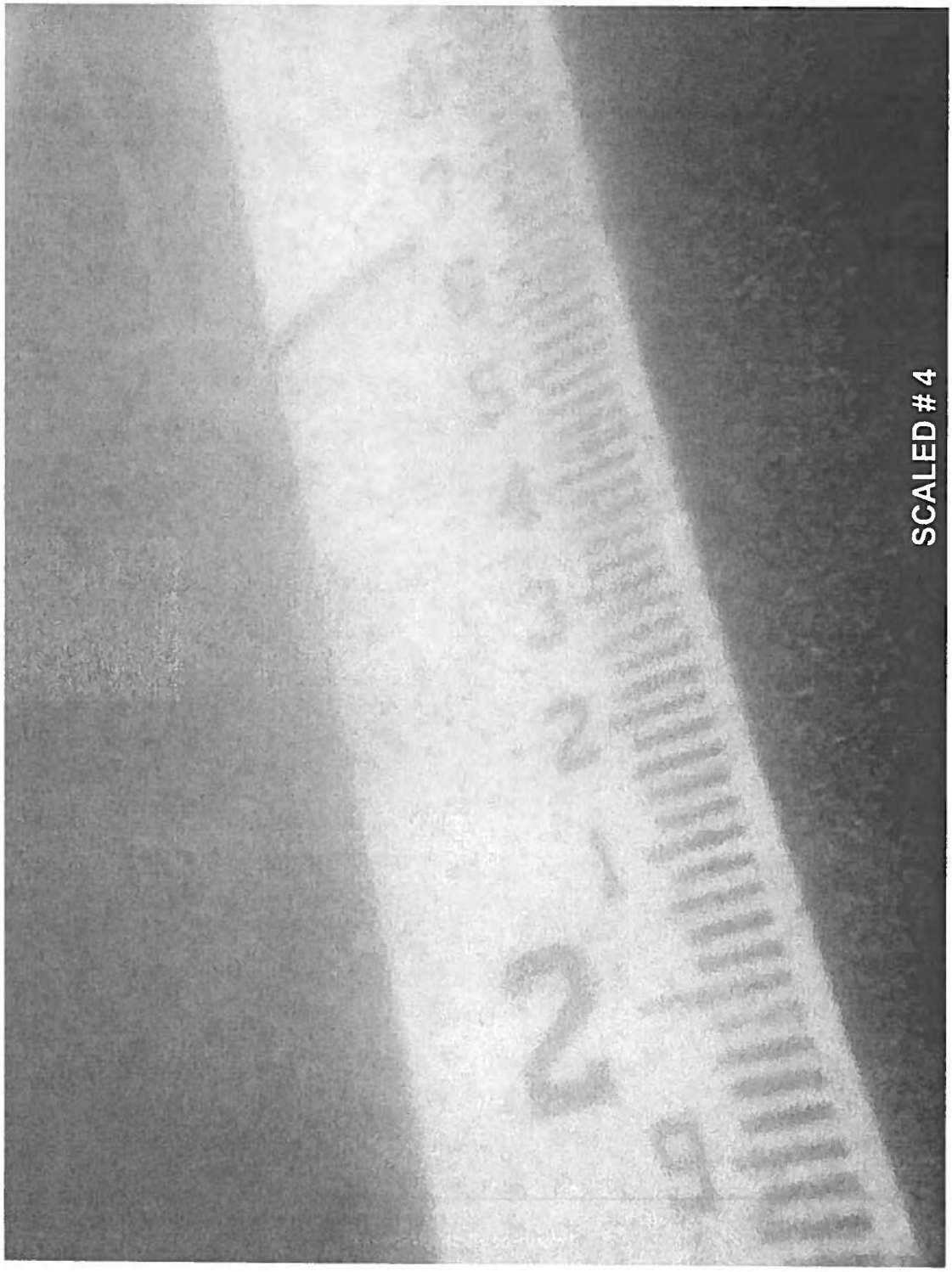
SCALED PICTURES

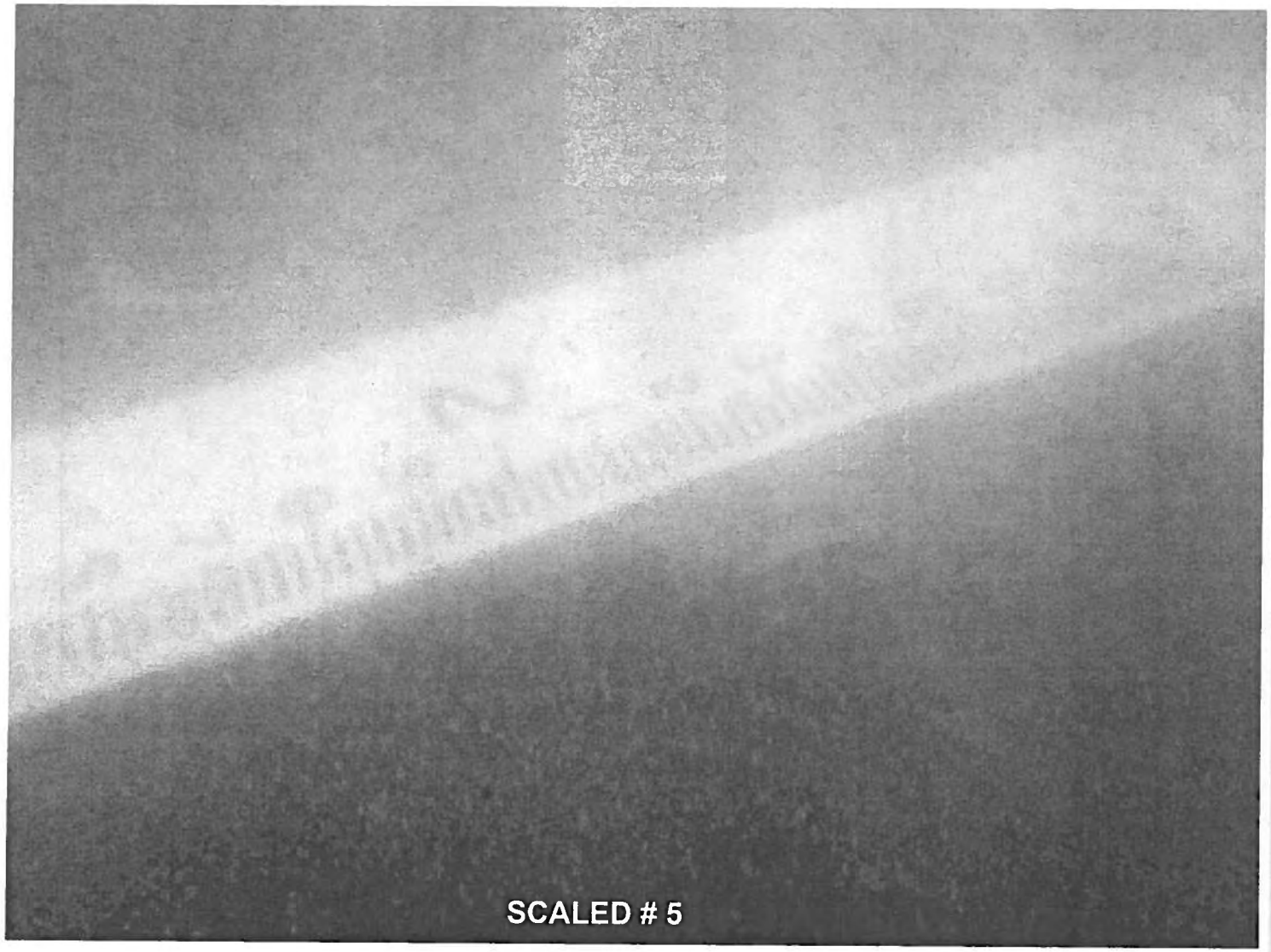
PERMIT REQUIRED PICTURES




SCALED # 2

SCALED # 3


SCALED # 4


SCALED # 5

ELECTRONIC COPY

ELECTRONIC COPY OF DATA & REPORT

420 L Street
Anchorage, Alaska
99501
(907) 274-2248 phone
(907) 274-2249 fax

Norton Sound Economic Development Corp.

Memo

To: State of Alaska Department of Environmental Conservation
From: Reese Huhta
CC: File
Date: June 1, 2012
Re: Sea Surface and Shoreline Monitoring

A Sea Surface and Shoreline Monitoring Program was conducted at the Unalakleet Fish Plant during 2011. There were seventy-eight processing days, and each day the shoreline and water surface were inspected for compliance with mixing zones and with applicable water quality standards. Floating solids, debris, foam and scum did not cause a film, sheen or discoloration on the surface of the water or cause a sludge, solid or emulsion to be deposited upon adjoining shorelines within 100 feet of the seaward physical boundary of the facility.

No Steller's sea lion (*Eumetopiasjubatus*), Steller's eider (*Polysticta stelleri*), spectacled eider (*Somateria fisheri)*, or short-tailed albatross (*Phoebastria albatrus*) where seen, either living dead or injured.

Quality Control personnel under the direction of the manager of the Unalakleet Fish Plant conducted this survey. This survey was conducted by staff walking to the water's edge adjacent to the outfall, and looking for any unusual incidents. Daily observation logs are kept at the Unalakleet Fish Plant. Observations are made by production and dock workers (as our discharge pipe is adjacent to our dock and is staffed 24 hours per day during production). Grab samples are obtained with the use of a skiff, and all sampling failed to produce evidence of the deposition of fish waste.

Enviro-tech Diving, Inc., also conducts annual dive surveys of our dock and discharge area. The diver confirms that no accumulation is occurring. Please refer to the attached report. I can be contacted at (907)624-3014, reese@nsedc.com, or by mail at Norton Sound Seafood Products, Box 323, Unalakleet, Alaska 99684.

420 L Street
Anchorage, Alaska
99501
(907) 274-2248 phone
(907) 274-2249 fax

Norton Sound Economic Development Corp.

Memo

To: State of Alaska Department of Environmental Conservation
From: Reese Huhta
CC: File
Date: June 1, 2012
Re: Best Management Practices Plan Certification

On 5/8/2012 a meeting was held by phone to discuss the Norton Sound Economic Development Corporation/ Southern Norton Sound Best Management Plan. Present where Reese Huhta and Frank Doty. Items covered where:

1. Outfall and grinder
2. Chemicals
3. Trash
4. Training
5. Sea surface and shoreline monitoring
6. Sea floor monitoring
7. Reporting requirements

We discussed the grinding of outfall waste and the addition of a new Autio 801 Grinder on our production line. The new grinder may reduce discharge, as we plan on producing additional bait and products from fish by-products (capturing more value and reducing waste). We concluded that waste is adequately reduced to acceptable limits. We will continue to emphasize proper handling of chemicals and ensure they are put away after use. Trash is disposed of properly and prevented from entering waterways. We will train our staff in monitoring requirements and will train them on collecting observations with a digital camera.

I certify that the Best Management Plan for the Norton Sound Seafood Unalakleet plant has been reviewed and revised-as-needed.