

**STATE OF ALASKA
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**

**APPLICATION
for an Individual Wastewater Disposal Permit
to Discharge Bark and Wood Debris in Marine Waters
at a Log Transfer Facility or Log Storage Facility**

The attached application must be completed and submitted to the Department of Environmental Conservation at the address below in order to apply for and obtain a State of Alaska Individual Permit to discharge bark and wood debris at any log transfer facility (LTF) or log storage facility (LSF).

An LTF or LSF is any facility where logs are placed in, stored or held in, or removed from marine waters for commercial purposes in Alaska. An LTF may incorporate log storage.

For most LTFs or LSFs in Alaska, discharge of bark and wood debris will be authorized by DEC's Wastewater Disposal General Permits applicable to LTFs and LSFs. Individual permits are required for LTFs or LSFs located in "impaired" waterbodies contained in the State's Section 303(d) list, and for other special cases where the terms of the General Permits are not sufficient to assure compliance with the Alaska Water Quality Standards and other requirements. Please consult DEC to discuss whether an Individual Permit or a General Permit authorization is required for a given LTF or LSF, and to obtain assistance with an application.

DEC encourages applicants to submit a completed Individual Permit application as an Email attachment. The application is a Microsoft WORD document. Instructions for completing the application by computer are presented on the next page. Maps and other paper documents may be mailed if not available in standard electronic formats. The entire application may be completed by hand writing and submitting on paper, if desired.

Please submit the completed application to the following addresses.

Mail: LTF Program / IP Application
Department of Environmental Conservation
410 Willoughby Avenue, Suite 303
PO Box 111800
Juneau, AK 99811-1800

Email: Dave_Sturdevant@dec.state.ak.us

For further information, please contact the following persons.

Dave Sturdevant	907-465-5276
Kevin Hanley	907-465-5364
Chris Foley	907-465-5257

APPLICATION INSTRUCTIONS

This application is a Microsoft WORD document. The application may be completed by hand writing on paper, or by computer. To obtain the application electronically, please send a request to the Email address on the previous page, or call one of the contact persons listed. If you are completing the application by computer, please observe the following.

1. The fill-in portions of this application are Microsoft WORD tables.
2. Type responses only in the blank cells following the cue cells such as “Name” or “Address.” Click anywhere within a blank cell to position the cursor at the beginning of that cell. Type the appropriate response within the cell. If the cell linelength is exceeded, the text will “wrap” to a new line, expanding the cell. Move on to another response by clicking on the desired cell, or by using the Tab key to advance from cell to cell. Save the document as you type, using a name incorporating the LTF name or abbreviation.
3. Do not modify the text on the original application, such as the terms “Name,” “Address,” or “Name of LTF/LSF.” Each of these cue items is a separate cell in the WORD table.
4. Responses may be modified at any time by standard editing of the text.
5. There are several check boxes in the application. To check or uncheck a box, place the cursor on the box and click. Note that responses may require checking more than one box on a line.
6. Maps and Charts required may be submitted electronically, or on paper.
7. Type or write responses to Information Required by insertion of text following each required item description, or as additional pages of the document.
8. If the application is prepared by computer, it may be submitted either electronically by Email, or on paper by mail. The application also may be filled out by hand writing and submitted by mail.

Please contact Dave Sturdevant with questions.

Thank you!

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at a Log Transfer Facility or Log Storage Facility
AS 46.03.100-110, 18 AAC 72.500-600**

PERMIT APPLICANT: <input type="checkbox"/> Landowner <input type="checkbox"/> Operator				
Company/Agency Name:				
Address:				
City/State/Zip:				
Responsible Officer:			Title:	
Contact Person:			Title:	
Phone:		FAX:		Email:
LTF/LSF Landowner (if different):				
LTF/LSF Operator (if different):				

AGENT NAME:				
Company Name:				
Address:				
City/State/Zip:				
Phone:		FAX:		Email:

FACILITY DESCRIPTION: Facility Type (check all that apply)				
<input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Log Transfer Onshore <input type="checkbox"/> Log Transfer Offshore <input type="checkbox"/> Log Storage				
Name of LTF/LSF:				
Name of waterbody receiving discharge:				
Name of next larger waterbody:				
COE waterbody name:				
COE Sections 10 and 404 Permit #:			Date Issued:	
Former NPDES permit number:			Date Issued:	
Location, Lat/Long:			T/R/S:	
Distance and direction to nearest town:				
Project area (see endnote), acres:				
Is the LTF/LSF on a waterbody designated as impaired on the State's 303(d) list? <input type="checkbox"/> Yes <input type="checkbox"/> No				

VOLUME OF TIMBER TO BE TRANSFERRED:					
Timber volume, mmbf:	Year		Maximum		Expected
	2006				
	2007				
	2008				
	2009				
	2010				
	TOTAL:				
	AVERAGE:				
	Projected months of operation:				
Expected LTF or LSF lifespan in years:					

MAPS AND CHARTS: Provide the following maps and charts:

1. Vicinity map, showing location within larger region.
2. Nautical chart, most detailed available, 1:40,000 or finer, showing approximate locations of the following features:
 - a. minus-40-foot and minus-60-foot depth contours;
 - b. sortyard, transfer device(s), rafting area, log storage area, and other in-water facilities;
 - c. project area (see endnote) boundary that encompasses all marine facilities, and, to the extent practicable, is the same as the area under permit or lease from the Alaska Department of Natural Resources.
3. Plan drawing, showing location of all facilities.
4. Elevation drawing of log transfer device(s) from front and side.

INFORMATION REQUIRED. Attach the following information. Information provided should be succinct, but must be sufficient to allow thorough and accurate understanding of each topic. **In general, more detailed information should be provided for an Individual Permit application than for a General Permit authorization. If completing the application by computer, responses may be typed by insertion following each item.**

1. OPERATING HISTORY. If the LTF or LSF is an existing facility, briefly describe the facility as originally constructed, and modifications through time. Describe historical periods of operation and approximate total volume of timber transferred.

2. MODE OF OPERATION. Describe the expected operation of the LTF or LSF, including sortyard, transfer methods and devices, log rafting, log storage, vessel loading and unloading, other in-water facilities, and annual period of operation.

3. DISCHARGE CONTROL. Describe the general methods that will be employed to avoid and minimize the discharge of bark and wood debris from logs in marine water, and to contain the discharge to the smallest practicable area on the ocean surface. An authorized LTF (not an LSF) will be required to prepare and submit to DEC a detailed Pollution Prevention Plan within 30 days of the effective date of a discharge permit.

4. FEASIBILITY OF BARGE TRANSPORT. Provide an assessment of the feasibility of utilizing direct land-to-barge or barge-to-land transfer that would avoid placing and storing logs in water, including economic and operational factors. If barge transfer and transport are determined not to be feasible, demonstrate the basis for the determination.

5. LOG STORAGE IN LESS THAN 40 FEET MLLW. If rafting or storage of logs is proposed in water less than 40 feet deep MLLW, provide a demonstration that log rafting or storage in water deeper than 40 feet MLLW is not feasible.

6. SOCIAL AND ECONOMIC NECESSITY. Provide a demonstration that operation of the LTF or LSF constitutes important social or economic development in the area or region.

7. EXISTING USES OF MARINE WATERS. Provide a specific description, to the extent that information is reasonably available, of existing uses of waters in the vicinity of the LTF or LSF, including at least the next larger waterbody beyond the location of the LTF or LSF. Existing uses are defined as those uses actually attained in a waterbody since November 28, 1975. **Some of this information may be available from the Departments of Fish and Game and Natural Resources.**

- a. Describe known important, sensitive, or unusual species and populations of fish, shellfish, other aquatic life, vegetation, and wildlife, and important, sensitive, or unusual habitats, such as eelgrass, kelp, seaweed, tideflats, salt marshes, herring, salmon, shellfish, other aquatic life, birds, and marine mammals, and including anadromous fish streams and anadromous fish rearing and spawning areas within two miles of the site.
- b. Describe known human uses of the waters for commercial, aquaculture, sport, subsistence, and recreational purposes.

- c. Demonstrate that water quality resulting from the discharge and accumulation of bark and wood waste will be adequate to “fully protect” existing uses of the water.
- d. Describe the relative ecological productivity of the intertidal and subtidal zones within the project area (see endnote).
- e. Describe the potential for dispersal of bark and wood wastes, including currents, bathymetric, and hydrographic information.

8. DIVE SURVEY. If logs will be transferred or stored in water less than 60 feet deep MLLW at the LTF or LSF, attach a dive survey that documents accumulation of bark and wood debris, conducted no more than one year prior to the year of application. State the volume of logs transferred or stored since the date of the dive survey. The dive survey must be conducted according to the method required in DEC’s Wastewater Disposal General Permit for Log Transfer Facilities, AK-G70-1000 (“post-1985”), Sections V.D.7 and VI.C, including DEC’s water quality certification of the permit, or by an alternate method approved by DEC. Continuous cover by bark and wood debris should be documented to a depth of 90 feet MLLW. The General Permit and certification are available on DEC’s website at <http://www.state.ak.us/local/akpages/ENV.CONSERV/dawq/waterpermits/ltf/noticeof.htm>. If the dive survey employs radial transects, areas of continuous and discontinuous bark cover must be calculated according to DEC’s guidelines, available at <http://www.state.ak.us/dec/dawq/waterpermits/ltf/measurebark.htm>. Please consult DEC with any questions concerning dive surveys and bark area calculation.

9. REQUEST FOR ZONE OF DEPOSIT. The Department of Environmental Conservation will consider this application as a request for authorization of a Zone of Deposit for accumulation of bark and wood wastes on the ocean bottom within the project area (see endnote), in accordance with the Alaska Water Quality Standards (18 AAC 70.210). The water quality standards (18 AAC 70.020) prohibit the deposit of residues beneath or upon the surface of the water, within the water column, on the bottom, or upon adjoining shorelines. Under the Zone of Deposit provision, the Department may allow deposit of substances on the bottom of marine waters within limits set by the Department.

The Department must consider the following factors in authorizing a Zone of Deposit: alternatives to eliminate or reduce adverse effects; impacts on human health; impacts on aquatic life and other wildlife; impacts on other uses of the waterbody; duration of the deposit; and potential transport of pollutants.

The standard Zone of Deposit for an LTF or LSF will contain a fixed limit for cumulative total continuous cover (100 percent cover) by bark and wood debris within the project area (see endnote) of the LTF or LSF that does not exceed both 1.0 acre and a thickness of 10 centimeters at any single point, and will allow discontinuous cover (less than 100 percent cover) and trace cover (less than 10 percent cover) by bark and wood debris on the bottom without limit within the project area (see endnote) of the LTF or LSF.

If a Zone of Deposit different from the standard Zone of Deposit is requested, describe the request in detail, including the rationale for requesting a different Zone of Deposit. Describe why a Zone of Deposit will not adversely affect the factors in the second paragraph of this section.

SIGNATURE AND CERTIFICATION

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 upon 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 of Authorized Corporate or Agency Officer

Date

Printed name

Title

ENDNOTE

“Project Area” means the entire marine operating area of an LTF, either shore-based or off-shore, including the following components: shore-based log transfer devices; shore-based log transfer, rafting, and storage areas; helicopter drop areas; vessel and barge loading and unloading areas; off-shore log storage areas not adjacent to a shore-based LTF; bulkheads, ramps, floating walkways, docks, pilings, dolphins, anchors, buoys and other marine appurtenances; and the marine water and ocean bottom underlying and connecting these features.

END OF APPLICATION

Additional Information Pertaining To Individual Wastewater Disposal Permits For Discharge Of Bark And Wood Debris.

1. The term of an Individual Wastewater Disposal Permit is five years.
2. The permittee must provide notice of commencement of operation:
 - (a) prior to commencement, for a new facility or for an existing facility that is not currently operating; or,
 - (b) within 30 days of the effective date of the permit, for an existing facility that is currently operating.
3. Within 30 days of the effective date of the permit, the permittee must submit a written certification that Best Management Practices in accordance with the Individual Wastewater Disposal Permit are implemented at the LTF or LSF, or will be implemented upon commencement of operation.
4. Within 30 days of the effective date of the permit, the permittee must submit, for an LTF but not an LSF, a Pollution Prevention Plan in accordance with the Individual Wastewater Disposal Permit, including a certification that the Pollution Prevention Plan is implemented, or will be implemented upon commencement of operation.
5. The permittee must conduct and submit a dive survey for any year in which logs are transferred or stored in water less than 60 feet deep MLLW. The dive survey for a given year may be conducted after cessation of operation in that year, or by May 30 of the following year, or at another time approved by DEC. Submittal of a dive survey must include a certification that the dive survey was conducted in accordance with the Individual Wastewater Disposal Permit, or in accordance with an alternate method approved by DEC. Additional monitoring methods may be required.
6. A Remediation Plan will be required for any LTF or LSF at which a current dive survey or other information documents exceedance of the authorized Zone of Deposit. The intent of a Remediation Plan is to achieve compliance with the Zone of Deposit. DEC expects to negotiate dates for initiation, submission, and implementation of a Remediation Plan with the applicant. DEC, in conjunction with various stakeholders, has prepared a document titled Guidance For Preparing Remediation Plans For Log Transfer Facilities, available at <http://www.state.ak.us/local/akpages/env.conserv/dawq/waterpermits/ltf/noticeof.htm>.
7. The permittee must provide notice of termination within 30 days of termination of operation under an Individual Wastewater Disposal Permit.