State of Alaska Department of Natural Resources Division of Forestry & Fire Protection NORTHERN REGION FAIRBANKS-DELTA AREA Forest Land Use Plan



WOODSTOVE SPRUCE 2025 TIMBER SALES

NC-1859-D, NC-1905-D, NC-1916-D, NC-1923-D, NC-1926-D

AUGUST 2025

Abbreviations

AAC Alaska Administrative Code

ADEC Alaska Department of Environmental Conservation

ADF&G Alaska Department of Fish and Game

ADNR Alaska Department of Natural Resources

AS Alaska Statute

BIF Best interest finding

CCF Hundred cubic feet

DBH Diameter at breast height (4.5 feet above root collar)

DMLW Division of Mining, Land and Water

DOF Division of Forestry & Fire Protection

ETAP Eastern Tanana Area Plan

FLUP Forest Land Use Plan

FRPA Alaska Forest Resources and Practices Act

FYSTS Five-Year Schedule of Timber Sales

MBF Thousand board feet

OHA Office of History and Archeology

ROW Right-of-way

TVSF Tanana Valley State Forest

TVSF MP Tanana Valley State Forest Management Plan, 2025 Update

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I. Introduction

Project File Number: NC-1859-D, NC-1905-D, NC-1916-D, NC-1923-D, and NC-1926-D.

Division of Forestry & Fire Protection Office: Fairbanks-Delta Area Area Forester: Kevin Breitenbach, Fairbanks-Delta Forester Forest Practices Geographic Region (AS 41.17.950): Region III

This Forest Land Use Plan (FLUP) covers proposed forest operations on approximately 43 acres of spruce fuel and sawlog timber from State lands in the Cummings Road East area near the Alaska Highway. It is intended to provide the best available information regarding the proposed harvest of timber, and management of other non-timber uses in compliance with AS 38.05.112 and AS 41.17.060, and must be adopted by the DNR before the proposed activity can occur.

☑ This Forest Land Use Plan is for timber sale(s) which have been determined to be in the best

determine whether or not to access and sell timber within the timber sale area, nor the method of sale. Those decisions have been made previously in the Best Interest Finding and are not appealable under this FLUP.
□ This Forest Land Use Plan is for timber sale(s) for which a Preliminary Best Interest Finding is currently out for review. A final best interest finding must be completed prior to adoptions of a final FLUP pursuant to AS 38.05.035 (e) and AS 38.05.945; Woodstove Spruce 2025 Timber Sales PBIF includes proposed timber sales NC-1859-D, NC-1905-D, NC-1916-D, NC-1923-D, and NC-1926-D; and is available on DOF's public webpage: http://forestry.alaska.gov/timber/delta
☐ This Forest Land Use Plan is for timber to be harvested that does not require a final finding pursuant to AS 38.05.035 (e) and notification under AS 38.05.945.

This Forest Land Use Plan was made available for public comments; the review period ended on 7/14/2025. After public and agency review of the draft FLUP, the DOF reviewed comments, made changes as appropriate (see Appendix C) and has adopted this FLUP. This Forest Land Use Plan has been adopted by the Department of Natural Resources. Site specific compliance with the Alaska Forest Resources and Practices Act and the Regulations, as well as the Final Finding for this proposed project are reflected in this Forest Land Use Plan and will be implemented in the Timber Sale Contract.

An eligible person affected by this decision, and who provided timely written comment or public hearing testimony to the department, may appeal the decision to the DNR Commissioner per AS 44.37.011 and 11 AAC 02. Comments on the specific requirements for harvest, access, and reforestation operations in the FLUP should be submitted in writing to Kevin Breitenbach, Fairbanks-Delta Area Forester on or before **Tuesday**, **September 2nd**, **2025**. Address for submitting written comments: **3700 Airport Way**, **Fairbanks AK 99709**, or email **kevin.breitenbach@alaska.gov**.

☑ Other Documents are referenced in this FLUP. This timber sale is designed to be consistent with the management intent of the following documents:

☑ Other Documents are referenced in this FLUP. This timber sale is designed to be consistent with the management intent of the following documents:

2025 Tanana Valley State Forest Management Plan Update

The administrative record for these sales is maintained at the Division of Forestry & Fire Protection Fairbanks Office filed as NC-1859-D, NC-1905-D, NC-1916-D, NC-1923-D, and NC-1926-D.

A. Legal description

The proposed sales are located approximately 28 miles southeast of the Delta Area Forestry office in the Cummings Road area north of the Alaska Highway at milepost 1392. The proposed sales are accessed via a forest road spur from the east side of Cummings Road 5.0 miles from the Alaska Highway.

- NC-1859-D / Cliffhanger #3 (18.3 acres) is within Sections 1 & 12, T12S, R14E, Fairbanks Meridian
- NC-1905-D / Woodstove Spruce #2 (3.6 ac) is within Section 6, T12S, R15E, F.M.
- NC-1916-D / Woodstove Spruce #3 (13.1 ac) is within Section 6, T12S, R15E, F.M.
- NC-1923-D / Cummings 5 Mile Spruce (3.5 ac) is within Section 7, T12S, R15E, F.M.
- NC-1926-D / Woodstove Spruce #4 (4.9 ac) is within Section 6, T12S, R15E, F.M.

The sales are accessed primarily by existing all-season roads within TVSF, but new spur roads will need to be constructed to access NC-1859-D and NC-1916-D.

See also maps in Section VI.

B. Operational Period

Approximately 3 years from the "Effective Date" on the signed contract. Timber contracts administered by the Fairbanks office generally have a 3-year operational period terminating on May 31 of the third year.

C. Timber Disposal

\boxtimes	Timber will be sold and will have a contract administrated by the State.
	Timber will be available to the public; permits obtained by the public will be issued by the
	State.
	Other

D. Objectives and Summary

- Provide the raw material for the industry to produce timber products providing benefits to the state and local economy through employment opportunities.
- Harvest the commercial timber before a significant decrease in merchantability occurs due to age, wildfire, or forest health issues, and return the site to a young productive mixed stand forest.
- Provide sawlogs and firewood for building and heating needs of interior Alaska communities.
- Promote multiple use management that provides for the production, utilization, and replenishment of timber resources while perpetuating personal, commercial, and other beneficial non-timber uses of the forest resources.

II. Affected Land Owners/Jurisdictions

A. State

	Activity on ownership:	Access Easement	Harvest	Written Representative Approval
□ Tanana Valley	State Forest		\boxtimes	
☐ Other state lan	d managed by DNR			
☐ University of A	Alaska			
☐ Mental Health	Trust			
☐ School Trust				
B. Other Land O	ownership			
Land Owne	er:			
Land Owne	er Representative:			

III. Harvest Methods, Silvicultural Actions, and Management of Non-timber Resources

Forest operations will be designed to:

- Protect fish habitat and water quality in compliance with the best management practices in 11 AAC 95.260-.370,
- Manage for the other land uses and activities identified in AS 41.17.060 and the Best Interest Finding for this timber sale, and
- Ensure prompt reforestation and maintenance of site productivity in compliance with AS 41.17.060(c) and 11 AAC 95 .375-.390.

Н	[arvest	and	Sil	lvicu	ltural	M	etl	100	ls:
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X	The silvicultural actions are described in this document, and no prescription was written	1 or	is
	necessary.		
	A silvicultural prescription has been written and is attached to this document in Append	lix E	3.

A. Timber Stand Description and History

The proposed sale areas are of a similar mature spruce forest type with minimal hardwoods. The stands have a high density of stems with a 70%+ closed canopy, an average age of 104 years at breast height, and a site index of 75-80 feet tall at 100 years age. Recon plots resulted in basal area estimates of 100 ft² of spruce sawlog, with an average DBH of 11 inches and average height of 75 ft, and 40 ft² of spruce fuelwood, with an average DBH of 8 inches and average height of 65 ft. Minimal rot or form defect was observed, and the stand appeared healthy. Small components of black spruce are present in the understory. Senescing aspen is a minor component, and significant amounts of downed aspen and spruce logs are present. The understory is mostly moss with few vascular plants. A few small to medium-sized sales have taken place in this stand over the past decade.

B. Timber Harvest Activities

Timber Harvest Activities are displayed in Table 1.

Table 1. Timber Harvest Activities

Unit ID	Acres	Topography	Silvicultural Action	Logging Method
NC-1859-D	18			
NC-1905-D	4			
NC-1916-D	13	Flat	Clear cut	Ground based, whole tree harvest
NC-1923-D	4			
NC-1926-D	5			

C. Site Preparation

\times	Site preparation will not be necessary.	There is eit	her sufficient	residual sto	cking, or
	because there has been sufficient soil	disturbance	by logging/fi	re to forego	scarification.

 \square Site preparation will be implemented and described in Table 2:

Table 2. Site Preparation

Unit ID	Acres	Site Preparation Method	Date of Completion

D. Reforestation

Season of harvest:

- ☐ Winter harvest only
- ☐ Non-winter harvest only
- ⊠ All-season harvest
- ⊠ Clearcut
- □ Partial Harvest relying on residual trees to result in a stocking level that meets standards of 11 AAC 95.375 (b)(4). Stocking levels will be calculated using data for the number of residual trees collected during DOF regeneration surveys and populate the following Table 3:

Table 3. Stocking Level Requirements

Average DBH (Diameter at breast height)	Residual Trees (Trees/acre)	Minimum Stocking Standard (Trees/acre)	Percent Stocking
≥ 9"		120	%
6" to 8"		170	%
1" to 5"		200	%
Total Residual Stocking	0%		

11	0.5		200	%0
Total Residua	l Stocking			0%
Percenta Seedling	ige Under st ige Under st gs/ Acre Rec	ocked = $100 - \text{Total Resi}$ ocked = $100 - 0\% = 100^{\circ}$ quired = Percentage Undequired = $100\% / 100 \times 450$	% erstocked/100 x 450	
☐ Artificial	regeneration	on		
☐ Seedin	ng: Species	and source of seed (gener	ral vicinity location of see	d source)
		Date of proposed p	-	
⊠ Natural r natural r	egeneration	: provide known informat . If a box is checked "no,"	tion on the following indi "please explain/describe	
Yes No	<u>N/A</u> <u>U</u>			
	d soil condit	ions suitable for natural i	•	
	LJ L	Note: While the pr experience on near	allow (<4") or absent. coposed areas have estable rby recent sales have sho rposure is expected to profit.	wn that mechanical
		mineral soil will exwell-distributed ac	ruce regeneration is targe xist on at least 25% of the cross the unit vities are expected to pro-	e harvest area and is

		Jse Plan pruce 20	(FLUP) 25 Timb	er Sales
				Where aspen regeneration from suckering is targeted, root damage will be minimal and soil exposure will encourage warming.
Yes	<u>No</u>	N/A	Unkno	own_
Seed/v	vegetati	ve repro	duction	sources available
\boxtimes				Exposure to prevailing winds, if known
\boxtimes				Adequate seed trees exist within 3 tree heights of the reforestation site for spruce or within 2 tree heights for birch
			\boxtimes	Where spruce regeneration is targeted, large seed crop in year prior to harvest or current year
				Where vegetative reproduction is targeted the harvest area contains sufficient, well-distributed paper birch, aspen, balsam poplar, western black cottonwood, red alder, or other species known to regenerate vegetatively as approved by the Division [paper birch, quaking aspen].
Yes	<u>No</u>	$\frac{N/A}{1}$	Unkno	
Comp		and inte	station 1	
				Calamagrostis (bluejoint grass) is not visually evident. If Calamagrostis is visually evident, describe abundance and distribution. Note: Calamagrostis coverage of more than 1-2% distributed across the site indicates that grass coverage may expand rapidly after harvest without treatment.
\boxtimes				Equisetum (horsetail) is present prior to harvest
				The site is not currently subject to intense herbivory due to peaks in the hare cycle, dense moose populations, or scarcity of browse in the surrounding landscape.
	\boxtimes			Existing stands are not infested with bark beetles (Dendroctonus or Ips)
				Where spruce regeneration is targeted, harvest areas are free of known incidence of <i>Onnia tomentosus</i> root rot. Note: tomentosus can kill regeneration of spruce and, to a lesser degree, pine and larch. If tomentosus is present, describe the extent of the problem in the notes box below. Design reforestation to minimize continuation or spread of the disease
□ Laı	ndowne	r reques	sts an ex	tended period for natural regeneration under 11 AAC 95.375(d)(6)

E. Slash Abatement

•	Timber Harvest—Surface Water Protection
\boxtimes	The operator will contact the DOF local area office prior to ignition of debris.
\boxtimes	Burn permits necessary from DOF and DEC to be acquired.
	Other - method of slash disposal: \square removal off site \boxtimes crushing or grinding \square burning
	Slash will be disposed of by the operator ⊠ Slash will be disposed of by the State
X	Lop and scatter slash; accumulations will be kept to less than 2 feet in height.
	controlling infestations will be implemented as required by 11 AAC 95.370.
	Potential for insect infestations caused by slash accumulations exists. Slash abatement for

F

☐ There are no streams or lakes abutting or within a harvest unit.
⊠ Known surface waters and protection measures are described in Table 4 below.

Table 4. Protection for Known Surface Waters

Unit	Waterbody Name	AS 41.17.950 Classification	ADF&G AWC #	Required Riparian Protection	Site-specific actions to minimize impacts on riparian area
NC-1905-D	Tanana River	III.B	334-40-11000- 2490	No harvest within 100' of ordinary high water mark	No harvest operations within 100' buffer

Surface waters listed above were reviewed by the Department of Fish and Game:

- ☑ During the timber sale planning process
- ☑ During the agency review conducted for the Best Interest Finding for this sale
- ☑ During the drafting of this Forest Land Use Plan
- ☐ Stream Crossings (Title 16) Permits are needed per ADF&G Division of Habitat

Surface waters listed above were reviewed by the Department of Environmental Conservation:

- ☑ During the timber sale planning process
- ☑ During the agency review conducted for the Best Interest Finding for this sale
- ☑ During the drafting of this Forest Land Use Plan

Non-classified surface waters are subject to applicable BMPs in 11 AAC 95.

Notes: The Tanana River is the nearest catalogued anadromous waterbody, and is categorized under FRPA as a Type III.B. waterbody (glacial, with resident fish). There are no known perennial streams impacted by the sale areas or the access roads

Department of Fish & ⊠ Wildlife species and al	Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the Best Interest Finding review. Wildlife species and allowances for their important habitats were addressed in writing by the Department of Fish & Game during the drafting of this Forest Land Use Plan.						
Silvicultural practices to be applied to minimize impacts to wildlife habitat or wildlife nanagement: Implication in the standard of the stan							
Notes:							
H. Cultural and Historic	al Resource Protection	1					
 ☑ This project was reviewed by the State Historic and Preservation Office (SHPO). ☐ No artifacts have been reported within the project area(s). ☐ Known or likely sites have been identified and a mitigation plan is in place. (Describe the mitigation actions.) 							
I. Other Resources Affected by Timber Harvest and Management							
☐ There are other resources and areas of concern besides surface water, fish habitat, and wildlife habitat that may be affected. Mitigations actions were addressed in the Best Interest Finding.							
Table 5. Other Affected Resources / Areas of Concern							
Impacted Resource	Reviewing Agency	Impact/ Mitigation Actions					
☐ There are no affected resources or areas of concern other than surface water, fish habitat, and wildlife habitat, which are addressed in this Forest Land Use Plan.							
Notes:							

IV. Roads and Crossing Structures

A. Road Design, Construction, and Maintenance

Roads will be designed, constructed, and maintained to prevent significant adverse impacts on water quality and fish habitat (AS 41.17.060(b)(5)), and site productivity (AS 41.17.060(c)(5)). Roads will comply with the best management practices in the Forest Resources and Practices Regulations (11 AAC 95.285 - 95.335).

Roads or other means required for the access and removal of this timber from the harvest area(s) or unit(s) are listed in Table 6

Mile/ Maximum Constructed Maintained Road Road ID Segment **Harvest Unit** Station Class **Grade %** By By Non-**Cummings Road** 1 4.9 2% Residents All State **FRPA** Cummings 5-Mile 2 1.9 Secondary DOF Operator All 2% Forst Road NC-1667-D Spur 3 NC-1859-D 0.6 Spur 2% DOF Operator NC-1859-D Spur 4 NC-1859-D 0.1 Spur 2% Operator Operator NC-1916-D NC-1916-D Spur 5 0.2 8% Operator Operator Spur NC-1926-D

Table 6. Road Construction and Use

Notes: Existing roads are listed as DOF-constructed and must be maintained as part of these timber sales. Any new road construction to access the proposed harvest areas will be constructed by the Operator to the standards set out in AFRPA and the 2016 DNR-DOF Road Standards.

*Note: Roads must be less than 20% grade per 8 AAC 61.1060 Additional Logging Standards

B. Side Slopes / Mass Wasting

For slopes over 50%, identify indicators of unstable areas (landslide scars, jack-strawed trees, gullied or dissected slopes, high density of streams or zero-order basins, or evidence of soil creep). Attach location specific road design that potentially mitigates identified areas of unstable soils.

Maximum percent side slop	es: <u>10%</u>
	lopes are <50%

Forest Land Use Plan (FLUP) Woodstove Spruce 2025 Timber Sales						
 ☐ Maximum percent side slopes are >50% ☐ There are no indicators of unstable areas where roads will be constructed ☐ Indicators of unstable areas were identified and will be mitigated by actions indicated below. ☐ Full benching will be constructed to help ensure slope stability ☐ Full benching is not required for roads in this project ☐ End hauling will be implemented to help ensure slope stability ☐ End hauling is not necessary for roads in this project. 						
General Erosion Co ☐ Grass seeding ☐ Other:			on control mats	☐ Wattle		Waterbars
 C. Crossing Structures Are you removing or replacing drainage structures? ☐ YES ☐ NO ☑ No crossing structures are needed within the project area. ☐ Crossing structures will be placed along access roads as described in the table below: Table 7. Required Drainage and Crossing Structures on Known Surface Waters 						
Road ID Segmen	Mile/ Station	Bridge Length (ft.)	Structura I was	AS 41.17.950 Stream Classification	ADF&G AWC Number	Duration of crossing structure in place
D. Road Closure						
Roads constructed for the timber sale that are left open will be subject to maintenance standards under 11 AAC 95. 315. Otherwise, roads constructed for the timber sale will be closed, subject to standards under 11 AAC 95.320.						
Table 8. Road Closures						
Road ID	Segment	Unit	Closure Type All Season/Winter	Estimated Closure Date	Projected Roa Timber H	

Forest Land Use Plan (FLUP)
Woodstove Spruce 2025 Timber Sales

E. Material Extraction

☐ There will be no material extraction sites in the project area.
☐ Material extraction and associated overburden disposal will be located outside of riparian
areas and muskegs. Material extraction and disposal will be located as shown on the
operation map, in a manner that prevents runoff from entering surface waters.
☐ Other:

F. Other Resources Affected by Roads or Material Extraction

List resources other than water, habitat or cultural resources potentially impacted by road construction, and indicate how impacts will be mitigated. Other affected resources could be, but are not limited to mining claims, scenic areas, recreational trails, etc.

Table 9. Other Affected Resources

Impacted Resource	Reviewing Agency	Impact / Mitigation Actions

V. Approvals

This Forest Land Use Plan has been reviewed by the Division of Forestry & Fire Protection and provides the information necessary to be adopted by the Department of Natural Resources as required by AS 38.05.112.

Regional Forester B/13/2025

Date

APPEALS:

An eligible person affected by this decision, and who provided timely written comment or public hearing testimony to the department, may appeal the decision to the DNR Commissioner per AS 44.37.011 and 11 AAC 02. Any appeal must be received within twenty (20) calendar days after issuance of this decision under 11 AAC 02.040. An eligible person must first appeal a decision to the Commissioner before seeking relief in superior court. The Alaska State Courts establish its own rules for timely appealing final administrative orders and decisions of the department.

Appeals may be mailed or hand-delivered to the DNR Commissioner's Office, 550 W. 7th Avenue, Suite 1400, Anchorage, Alaska, 99501; or faxed to (907)-269-8918; or sent by electronic mail to dnr.appeals@alaska.gov. Appeals must be accompanied by the fee established in 11 AAC 05.160(d)(6), which has been set at \$200 under the provisions of 11 AAC 05.160 (a)-(b).

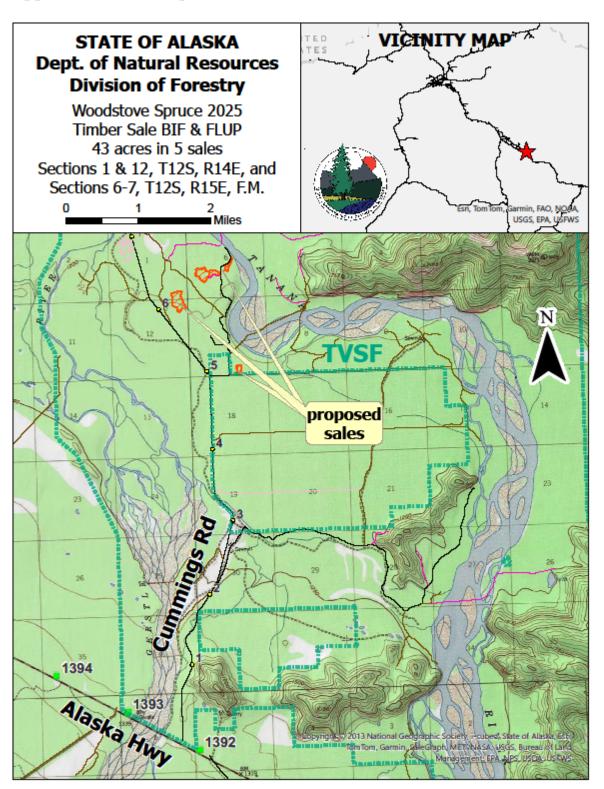
If no appeal is filed by that date, this decision goes into effect as a final order and decision on 9/2/2025.

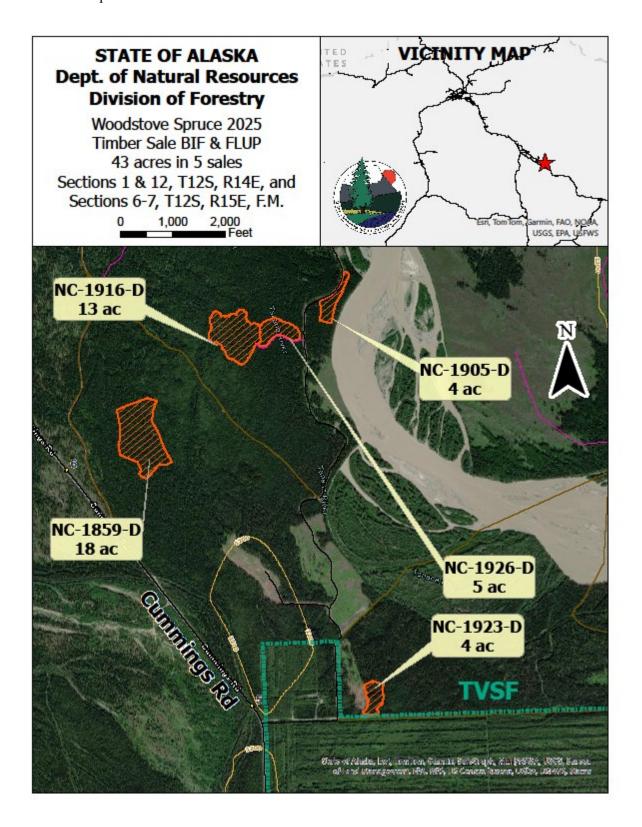
A copy of 11 AAC 02 is enclosed and is also available on the department's website at https://dnr.alaska.gov/mlw/pdf/DNR-11-AAC-02.pdf.

If you have any questions, please contact Andrew Allaby of the Fairbanks-Delta Area Office at (907)-451-2603 or e-mail andrew.allaby@alaska.gov.

VI. Appendices

Appendix A: Sale maps





Appendix B: Public and Agency Comments and Responses

Commenter	Comment	Response
Alaska Dept. of Fish & Game (ADFG)	No issue of concern.	Noted.
Division of Mining, Land, & Water (DMLW) Alaska Dept. of Natural Resources (DNR)	Ensure no access along existing trails is blocked by equipment or brush piles.	DOF will ensure trail access is kept open and unblocked for the public.
Office of History and Archeology (OHA)	Recommend an archeological survey where all-season road construction or ground scarification is planned.	DOF contracts will comply with the Alaska Historic Preservation Act, including prohibitions on the removal or destruction of cultural resources.
		If, during the course of operations, any physical remains of historic, archaeological, or paleontological nature are discovered, work in that immediate vicinity must cease and the State must be notified.
Alaska Dept. of Environmental Conservation (DEC)	None.	Noted.