

**BRUSH DISPOSAL
TREATMENT PLAN**
(Ref. FSH 2409.19)

1. Forest
Willamette

2. District/Unit
McKenzie River

3. Sale Name
BOUNDARY(43934)

4. Award Date

5. Compartments
or GIS Reference

6. Type of Plan
 Original Final

 Revision #

7. Purchaser

8. Contract Number

9. List of Projects

10. Work Activity	11. Unit of Work	12. Cost Per Unit	13. No. of Units	14. Cost	
Fuel Inventory	HF	Acres	\$50.06	56.0	\$2,803
Burning of Piled Material	HF	Acres	\$343.33	56.0	\$19,227
Cover brush pile for burning	CK	Acres	\$168.30	7.0	\$1,178
Piling of Fuels, Hand or Machine	HF	Acres	\$450.00	0.0	\$0
Piling of Fuels, Hand or Machine	HF	Acres	\$500.00	0.0	\$0
15. Total Project Cost					\$23,208
16. National Program Support					\$9,515
17. Total Cost of Funded Work (Sum of line 15 and 16) (Required Bid Deposit Amount)					\$32,723

18. Remarks: Combined Total Cost of BD Funded Work: \$32,723

Forest Collection Rate: 10.00%

National Collection Rate for Program Support: 41%

Inflation Rate: 2%

Rate Remarks: Forest Rate

PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.

19. Signature(Prepared by)

Rosenda Hallmark

Title

AFMO Fuels

Date

10/24/14

20. Signature(Recommended by)

[Signature]

Title

~~*AFMO*~~ *FMO*

Date

10/24/14

21. Signature (Approved by)

Luy 2 Boh

Title

District Ranger

Date

10/27/14

BRUSH DISPOSAL TREATMENT PLAN (Ref. FSH 2409.19)	1. Forest Willamette		2. District/Unit McKenzie River			
	3. Sale Name BOUNDARY(43934)		4. Award Date			
5. Compartments or GIS Reference	6. Type of Plan <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #	7. Purchaser		8. Contract Number		
9. List of Projects		10. Work Activity	11. Unit of Work	12. Cost Per Unit	13. No. of Units	14. Cost
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18. Remarks: Combined Total Cost of BD Funded Work: \$32,723 Forest Collection Rate : 10.00% National Collection Rate for Program Support: 41% Inflation Rate: 2% Rate Remarks: Forest Rate PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.						
19. Signature(Prepared by)		Title			Date	
20. Signature(Recommended by)		Title			Date	
21. Signature (Approved by)		Title			Date	

$32,723 \div 1803 = 18.15$

$20,956 \div 1803 = 11.56$

$11.56 + 18.15 = 29.71$

Detailed listing of Brush Disposal Activities (Working Copy)	(1) Proclaimed Forest Willamette	(2) District/Unit McKenzie River
(3) Sale Name BOUNDARY(43934)	(4) Award Date	(5) Compartment Or GIS Reference
(6) Type of Plan <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #	(7) Purchaser	(8) Contract Number

(9) List of Activity Fuels Treatment Projects		Local Qualifier	(10) Work Activity	(11) Unit of Work	(12) Cost Per Unit	(13) Projects by Fund Code			(14) BD Funded Projects	
a) Subunit	b) Activity					a) Fund Code	b) No. of Units	c) Total Cost	a) No. of Units	b) Total Cost
0618010007000251000	Fuel Inventory	N/A	HF	Acres	\$50.06	BDBD	56.0	\$2,803	56.0	\$2,803
0618010007000251000	Burning of Piled Material	N/A	HF	Acres	\$343.33	BDBD	56.0	\$19,227	56.0	\$19,227
0618010007000251000	Cover brush pile for burning	N/A	CK	Acres	\$168.30	BDBD	7.0	\$1,178	7.0	\$1,178
Subtotal for Fund Code BDBD								\$23,208		
0618010007000251000	Piling of Fuels, Hand or Machine	AF-INC COVR	HF	Acres	\$450.00	PPPP	43.0	\$19,350		
0618010007000251000	Piling of Fuels, Hand or Machine	AF-INC COVR	HF	Acres	\$500.00	PPPP	3.0	\$1,500		
Subtotal for Fund Code PPPP								\$20,850		
15. Total BD work funded										\$23,208
16. National Program Support										\$9,515
17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)										\$32,723

18. Remarks:	Combined Total Cost of BD Funded Work:	\$32,723
	Forest Collection Rate:	10.00%
	National Collection Rate for Program Support:	41%
	Inflation Rate:	2%
	Rate Remarks:	
	PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.	

Boundary Timber Sale
Brush Disposal Treatment Plan Narrative

All work identified in this Brush Disposal Treatment Plan is included in the NEPA documentation for the Boundary Thin Project CE, which is on file at the McKenzie River Ranger District office. The BD plan incorporates the following national collection rate for program support of 41%; and Forest collection rate for program support of 10%.

Also included in the costs is an estimate of the inflation percentage for the period between the time this plan was prepared and the time when the work will be accomplished. Annual inflation rate was calculated in the base cost figure for each project at 2%/yr.

BD Treatments:

1. Fuels Inventory

Conduct post-harvest fuels inventories on all units. Also prepare the Burn Plans for prescribed burning in all units in accordance with the silvicultural prescription of the BD Plan. Fuels inventory also includes District Overhead collection of \$0.92/CCF based on individual unit harvest volumes.

$$((\$15.00/\text{ac}) + (\$29.62/\text{ac D.O.})) \times (1.02 \text{ inf. } 2015) \times (1.1 \text{ S.O.}) \times (1.41 \text{ W.O.}) \times (56 \text{ ac}) = \$3,953.04$$

2. Landing Pile Covering

Cover landing piles of created slash to reduce fuels hazard resulting from increased slash loading caused by harvest operations.

$$(\$150.00/\text{ac}) \times (1.02 \text{ inf. } 2015) \times (1.1 \text{ S.O.}) \times (1.41 \text{ W.O.}) \times (\text{ac}) = \$1,661.10$$

3. Landing, Grapple and Hand Pile Burning

Burn landing, grapple and hand piles of slash in to reduce fuels hazard resulting from increased slash loads from harvest operations.

$$(\$300/\text{ac}) \times (1.02 \text{ inf. } 2015) \times (1.02 \text{ inf. } 2016) \times (1.1 \text{ S.O.}) \times (1.41 \text{ W.O.}) \times (56 \text{ ac}) = \$27,109.60$$

DETAILED SLASH DISPOSAL PLAN
Boundary Timber Sale
Willamette National Forest, McKenzie River Ranger District

- In accordance with Contract Provisions C6.74, Slash Treatment Requirements and Detailed Slash Disposal Plan
- Not with standing Contract Provision C6.74

Purchaser responsibilities are as follows:

- A) **Construction and size of landing piles:** The purchaser shall pile substantially all created slash at least 1 inch in diameter on the small end and at least 3 feet in length. Piles shall be free of soil and rocks and piled compactly. Landing piles shall be a minimum of 8 feet in height and 8 feet in diameter. Height of piles should not exceed 12 feet and should be approximately equal to the diameter. The area around each pile shall be cleared of all created slash a minimum of 6 feet. All pieces extruding from piles shall be bucked off to facilitate covering after construction.
- B) **Location of all landing and grapple piles:** Slash piles will be located to minimize damage of standing green trees and snags during burning. Unless otherwise agreed, this will be construed to be at least 15 feet from standing green trees and snags. Piles shall not be built on tree stumps or heat sinks. Piles shall not be located in the bottom of draws, streams, or ditches and shall not obstruct roadways or trails.
- C) **Construction and size of grapple piles: Sub Divisions #1, #10, #12, #13, #2:** Substantially all created slash within the ground base logged portions of the above listed sub divisions shall be grapple piled. Piles shall be free of soil and rocks and as compact as possible. Grapple piles will be constructed with a "lift and pile" mechanism rather than a "push and pile" mechanism. Pile created slash that is at least 1 inch in diameter at the small end and at least 3 feet in length. Pile height shall be approximately equal to pile diameter and pile height shall be no less than 6 feet. The area around each pile shall be cleared of all created slash a minimum of 6 feet. All pieces extruding from the piles shall be bucked off to facilitate covering after construction to keep water from running under the plastic covering.
- D) **Location of hand piles:** Piles will be located to minimize the damage of standing trees during burning. Unless otherwise agreed this will be construed to be equal distance from the boles of standing green trees and snags. Piles shall not be located within trails, drainage structures, ditches, or stream channels. Piles shall not be placed on stumps or logs in order to remove a heat sink when burning. Piles will be placed so their length is parallel to the direction of the slope.
- E) **Construction and size of hand piles: Sub Divisions #1, #14, #2.** Substantially all created slash within designated areas of the above listed sub divisions shall be hand piled. Created slash to be hand piled is slash that is at least 1 inch in diameter at the small end and less than 6 inches in diameter at the large end and at least 3 feet in length. Fine slash should be placed at the bottom of the piles with heavier material on the top. Height of piles shall not be less than 5 feet and approximately equal

to the diameter of the pile. Piles shall be built to facilitate covering after construction. All pieces extruding from piles shall be bucked off. All piles shall be constructed within the subdivision.

1. **Sub Division #1:** substantially all created slash within 50 feet of both sides of Trail #3561 shall be hand piled.
2. **Sub Division #14:** substantially all created slash within 50 feet of both sides of Trail #3561 shall be hand piled.
3. **Sub Division #2:** substantially all created slash within 50 feet of both sides of Trail #3561 shall be hand piled.

F) **Grapple and Hand pile covering requirement:** All grapple and hand piles shall be covered with polyethylene plastic film .004 inches thick. Plastic size shall be approximately 100 square feet to ensure rapid ignition and efficient combustion. Plastic shall be placed in locations that will ensure safe and adequate ignition to allow consumption of piles during burning. Pieces of burnable material shall be placed on top of the plastic and corners of plastic shall be secured to the pile to keep plastic from filling with wind and blowing off. Plastic must be placed in the upper 1/4 of all piles.