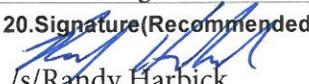
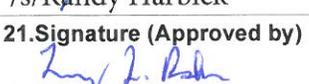


BRUSH DISPOSAL TREATMENT PLAN (Ref. FSH 2409.19)	1. Forest Willamette		2. District/Unit McKenzie River			
	3. Sale Name AIR(46283)		4. Award Date			
5. Compartments or GIS Reference	6. Type of Plan <input checked="" type="checkbox"/> Original <input type="checkbox"/> Final <input type="checkbox"/> Revision #	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
Fuel Inventory		HF	Acres	\$35.88	28.0	\$1,005
Fuel Inventory		HF	Acres	\$50.46	16.0	\$807
Underburn - Low Intensity (Majority of Unit)		HF	Acres	\$915.55	24.0	\$21,973
Burning of Piled Material		HF	Acres	\$400.55	24.0	\$9,613
Cover brush pile for burning		CK	Acres	\$171.67	24.0	\$4,120
Fireline Construction		HF	Miles	\$5,280.00	0.0	\$0
Piling of Fuels, Hand or Machine		HF	Acres	\$450.00	0.0	\$0
15. Total Project Cost					\$37,518	
16. National Program Support					\$15,571	
17. Total Cost of Funded Work (Sum of line 15 and 16) (Required Bid Deposit Amount)					\$53,089	
18. Remarks: Combined Total Cost of BD Funded Work: \$53,089 Forest Collection Rate : 10.00% National Collection Rate for Program Support: 41.5% 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)  /s/Dirk Rogers		Title AFMO		Date 05/20/16		
20. Signature (Recommended by)  /s/Randy Harbick		Title FMO		Date 05/20/16		
21. Signature (Approved by)  /s/Terry Baker		Title District Ranger		Date 05/20/16		

Air Timber Sale
Brush Disposal Treatment Plan Narrative

All work identified in this Brush Disposal Treatment Plan is included in the NEPA documentation for the Goose EIS and Air Thin 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 41.5%; 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:

- 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.

$$((\$15.00/\text{ac}) + (\$20.99/\text{ac D.O.}) \times (1.02 \text{ inf. } 2017) \times (1.02 \text{ inf. } 2018) \times (1.1 \text{ S.O.}) \times (1.415 \text{ W.O.}) \times (44 \text{ ac}) = \$2,564$$

- Underburn

Underburn specified subdivisions to reduce fuels hazard resulting from increases slash loads from harvest operations. Cost for underburning is \$800/ac with an expected accomplishment within 2 years of harvest completion.

Subdivision 1 (South of Rd. 320), 644

$$(\$800/\text{ac}) \times (1.02 \text{ inf. } 2017) \times (1.02 \text{ inf. } 2018) \times (1.1 \text{ S.O.}) \times (1.415 \text{ W.O.}) \times (24 \text{ ac}) = \$31,092$$

Total Underburning = \$31,092

- Grapple and Landing Pile Covering

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

$$(\$150.00/\text{ac}) \times (1.02 \text{ inf. } 2017) \times (1.02 \text{ inf. } 2018) \times (1.1 \text{ S.O.}) \times (1.415 \text{ W.O.}) \times (24 \text{ ac}) = \$5,830$$

- Grapple and Landing Pile Burning

Burn grapple and Landing piles of slash in specified areas to reduce fuels hazard resulting from increased slash loads from harvest operations.

$$(\$350.00/\text{ac}) \times (1.02 \text{ inf. } 2017) \times (1.02 \text{ inf. } 2018) \times (1.1 \text{ S.O.}) \times (1.415 \text{ W.O.}) \times (24 \text{ ac}) = \$13,603$$

C6.74# - Slash Treatment Requirements (02/2002)

- In accordance with Contract Provisions C6.74#, Slash Treatment Requirements (02/2002)
- Not with standing Contract Provision C6.74#

Purchaser responsibilities are as follows:

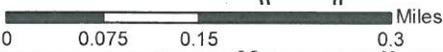
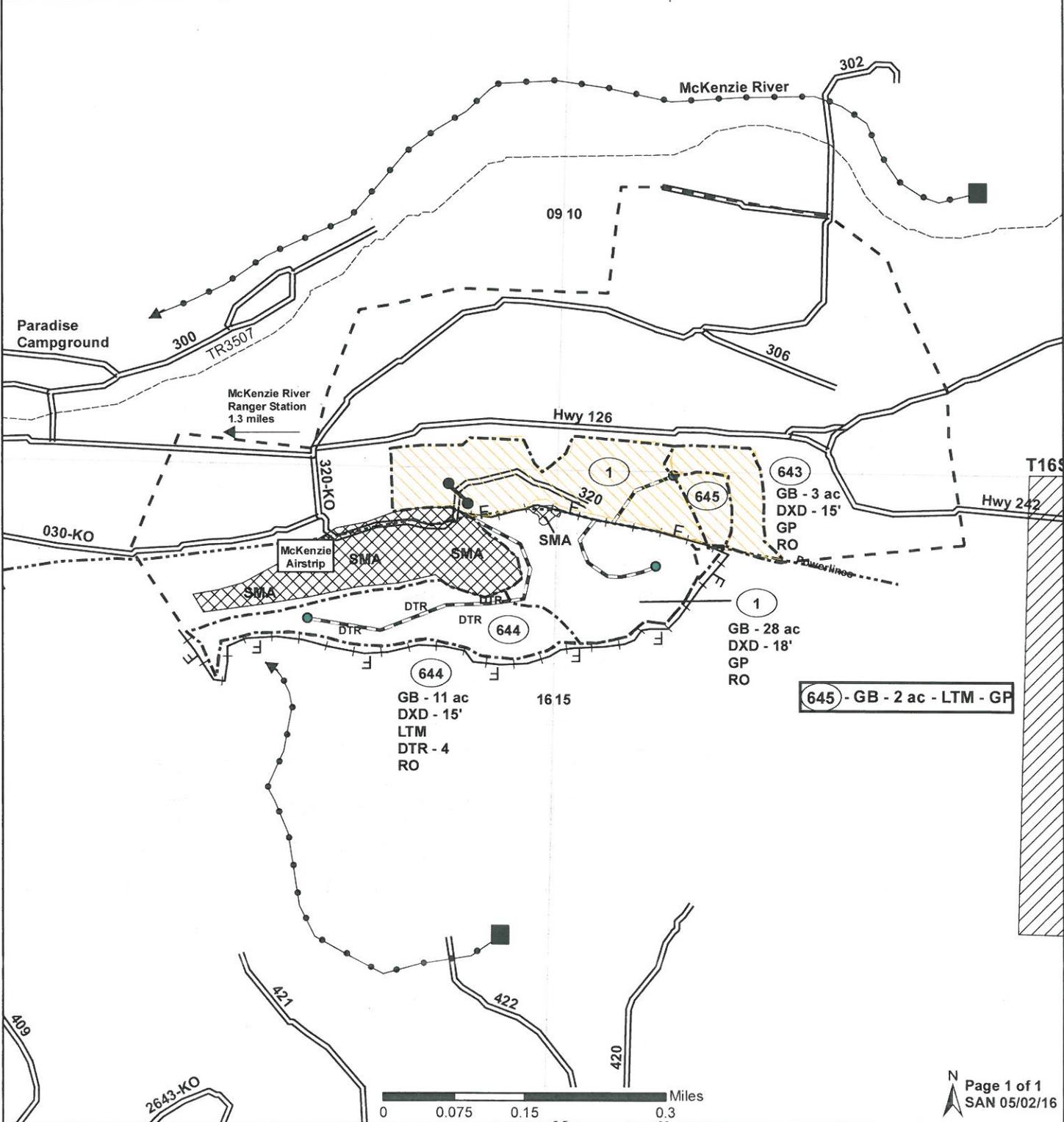
- A) **Construction and size of landing piles:** The Purchaser shall pile substantially all created slash at least 1 inch in diameter on the small end and at least 3 feet in length shall be piled as compact as possible and free of soil and rocks. Excessive bark that has fallen off of logs generated from logging activities on the landing shall be dispersed on the landing, not piled. Piles will be constructed with a "lift and pile" mechanism rather than a "push and pile" mechanism. Landing piles shall be a minimum of 8 feet in height and diameter at base shall not exceed height. Height of piles should not exceed 12 feet. 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 12 feet from standing green trees and snags. Piles should not be built on tree stumps or heat sinks. Piles should not be located in the bottom of draws, streams, or ditches and should not obstruct roadways. Piles should be spaced 30 feet apart unless otherwise agreed. Multiple piles may occur at site. Where multiple piles occur, spacing between piles shall not be less than average pile height. All piles shall be constructed within the subdivision. Piles should not be located within 25 feet of the powerline.
- C) **Construction and size of grapple piles: Sub Divisions #1 (North of Rd. 320), #643, #645.** Grapple piles will be constructed with a "lift and pile" mechanism rather than a "push and pile" mechanism. Piles shall not be placed on stumps or logs in order to remove a heat sink when burning. Created slash shall be piled compactly and free of soil and rocks. Pile the 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 at least 8 feet in height and diameter at base shall not exceed height. 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.
1. **Subdivision #1 (North of Rd. 320), #643, #645:** Substantially all created slash within the sub division shall be grapple piled.
- D) **Fire line construction:** Fire lines shall be cleared of all brush and debris for a minimum width of 10 feet with the edge of the clearing inside the sub division boundary. Debris created from the clearing shall be scattered inside the sub division to reduce the creation of a windrow of slash along the fire line. A continuous fire line, minimum of 18 inches wide, shall be dug to mineral soil within the outer portion of the clearing.
1. Subdivision #644 and #1 (South of Rd. 320) shall have approximately 1.0 miles of fire line constructed. Fire line construction for subdivision #644 shall begin at the northwest corner, follow the west boundary and continue along the south boundary. Fire line on subdivision #644 shall connect to the south boundary of subdivision #1 (South of Rd. 320) and continue along the south and east boundary of subdivision #1 ending at the powerline corridor. Fireline will continue west along the powerline corridor and end at the junction of Rd. 320 on the west side of subdivision #1. Fire line shall follow along the south side of the powerline corridor. No fire line shall be constructed within 60 feet of any stream, pond or wetland within the subdivision. These areas can be used in place of fire line.

**Air Timber Sale
Slash Working Map
Sale Area and Slash Disposal Map
Willamette National Forest
McKenzie River Ranger District**

R6E

Legend

- Air_Grapple
- Air_Firelines



Detailed listing of Brush Disposal Activities (Working Copy)	(1) Proclaimed Forest Willamette	(2) District/Unit McKenzie River
(3) Sale Name AIR(46283)	(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
0618010007005779000	Fuel Inventory	N/A	HF	Acres	\$35.88	BDBD	28.0	\$1,005	28.0	\$1,005
0618010007005779000	Fuel Inventory	N/A	HF	Acres	\$50.46	BDBD	16.0	\$807	16.0	\$807
0618010007005779000	Underburn - Low Intensity (Majority of Unit)	N/A	HF	Acres	\$915.55	BDBD	13.0	\$11,902	13.0	\$11,902
0618010007005779000	Underburn - Low Intensity (Majority of Unit)	N/A	HF	Acres	\$915.55	BDBD	11.0	\$10,071	11.0	\$10,071
0618010007005779000	Burning of Piled Material	N/A	HF	Acres	\$400.55	BDBD	2.0	\$801	2.0	\$801
0618010007005779000	Burning of Piled Material	N/A	HF	Acres	\$400.55	BDBD	2.0	\$801	2.0	\$801
0618010007005779000	Burning of Piled Material	N/A	HF	Acres	\$400.55	BDBD	5.0	\$2,003	5.0	\$2,003
0618010007005779000	Burning of Piled Material	N/A	HF	Acres	\$400.55	BDBD	15.0	\$6,008	15.0	\$6,008
0618010007005779000	Cover brush pile for burning	N/A	CK	Acres	\$171.67	BDBD	2.0	\$343	2.0	\$343
0618010007005779000	Cover brush pile for burning	N/A	CK	Acres	\$171.67	BDBD	5.0	\$858	5.0	\$858
0618010007005779000	Cover brush pile for burning	N/A	CK	Acres	\$171.67	BDBD	2.0	\$343	2.0	\$343
0618010007005779000	Cover brush pile for burning	N/A	CK	Acres	\$171.67	BDBD	15.0	\$2,575	15.0	\$2,575
Subtotal for Fund Code BDBD								\$37,519		
0618010007005779001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.5	\$2,640		
0618010007005779001	Fireline Construction	N/A	HF	Miles	\$5,280.00	PPPP	0.5	\$2,640		
0618010007005779000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$450.00	PPPP	15.0	\$6,750		
0618010007005779000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$450.00	PPPP	5.0	\$2,250		
0618010007005779000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$450.00	PPPP	2.0	\$900		
0618010007005779000	Piling of Fuels, Hand or Machine	N/A	HF	Acres	\$450.00	PPPP	2.0	\$900		
Subtotal for Fund Code PPPP								\$16,080		

(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
15. Total BD work funded										\$37,519
16. National Program Support										\$15,570
17. Total Cost of Funded Work (Sum of line 15 and 16)(Required Bid Deposit Amount)										\$53,089
18. Remarks:										
Combined Total Cost of BD Funded Work:		\$53,089								
Forest Collection Rate:		10.00%								
National Collection Rate for Program Support:		41.5%								
Inflation Rate:		2%								
Rate Remarks:										
PPPP does not include the Forest Collection Rate or National Collection Rate for Program Support.										

$$53,089 \div 1004 = 52.88$$

$$16,080 \div 1004 = 16.02$$

$$16.02 + 52.88 = 68.90$$