

Sheriff's Meadow Foundation
Air Curtain Burner Burn Plan and Checklist

The following conditions must be met and checklist completed before an air curtain burn is conducted. No more than one Air Curtain Burner will be used on a property at one time. All fires must be extinguished in accordance with the permit issued by the local fire department.

Site Information:

Property Phillips Preserve	Air Curtain Burner Model S199R
Town: Tisbury	Town Permit Number, if Required:
Date: (May 1, 2024 through September 30, 2024)	DEP Authorization Number
Time of Operation 7:00 am to 5:00 pm	Staff Participating Adam Moore, Joseph Rogers, Liz Loucks, Noah Froh

Additional Requirements

- ___ Permit issued from local fire department, and directions for access supplied to fire department.
- ___ Day of burn notice issued to Town Fire Department
- ___ All sensitive smoke receptors identified and mitigated as needed (ex. signs on roads, neighbors contacted)
- ___ At least two people on-site for duration of burn activity. At least one person qualified prescribed burn crew member.
- ___ Cell phone available and number of local FD/PD (if no cell reception on-site, location of nearest reception or land line should be identified in advance)
- ___ Suppression gear sufficient to support the projected burning activities is assembled and on-site; filled bladder bag(s), fire rakes, nearest water supply identified and checked for access. PPE requirements listed and present on site.
- ___ Weather prescription prepared that includes relative humidity, wind speeds and directions, fine fuel moisture, smoke sensitive receptor identifications. Conditions that will require stopping the burn.
- ___ Weather forecast for day of burn to compare with prescribed conditions (NWS forecast).
- ___ Weather kit on site and a plan stated for monitoring weather conditions.
- ___ Fire is completely out before leaving site.
- ___ Contingency plan.
- ___ Mobile water tank on-site with tank full.

Signature of preparer/operator _____

Date _____

Track weather before and during air curtain burning. Please complete on the day of burning.

Weather and Environmental Parameters	Prescription Parameters Minimum Maximum	On-site Weather Time:	On-site Weather Time:
20 ft Wind Speed (mph)	0 to 20		
Eye Level Wind Speed	0 to 10		
Relative Humidity %	20 to 80		
Temperature	0 to 90		
EPA PM 2.5 Index	0 to 75		
EPA Ozone Index	0 to 50		
Direction of Smoke Dispersal			
Mixing Height	800 minimum		
Other Weather Observations:			

<p>Landscape Description:</p> <p>The Phillips Preserve is a 69-acre pitch pine and oak forest on the west side of Lake Tashmoo in Tisbury. The property is accessed via Army Road and the Road to Chappaquonsett. There is a 32-acre Forest Cutting Plan area in which air curtain burners will be used. Slash will be piled in the designated landing areas, and near the landing areas.</p>
Objectives
Safely dispose of all slash and slabs by burning down to ash or to biochar.

Emergency Telephone Numbers		Burn Activity Contacts	
Fire Dept	911		
Personnel Needs			
Burn Boss Level:			
Number Needed	Position		
		Names(Optional)	
Equipment Needs			
Number needed	Equipment Type	Source	
	mobile water tank		
	cell phone or radio		
	chain saw		
	loppers		
	First Aid kit		

	Fire Extinguisher	
	other:	

Operations Plans		
Pre-burn Site Preparation Plan: Ensure clear access to the location of the air curtain burner so that a fire truck can access the burn location, if needed. Stack slash in piles that are accessible to an excavator that will move slash and load the burner..		
Ignition/Firing Plan: Check on local weather and climatic conditions to ensure that the necessary fire behavior will be achieved and that no houses or roads will be negatively affected by smoke. The local authorities will be notified as to the duration of the burn. Remain on site until the burn is completed for the day.		
Holding/Patrol/Mop-up Plan: Cool any ash or biochar before leaving the site for the day.		
Contingency Plans		
Escape should be almost impossible due to the use of an air curtain burner. Maintain a cleared, safety zone for a 30 foot radius around the burner. Have a water tank on hand to extinguish any escaping embers.		
Smoke Management Plan		
Smoke Management Plan: Local weather will be checked beforehand to ensure that smoke will not affect any sensitive areas.		
Safety Plan		
Personnel will have Cell phone to contact local authorities. Safety zones will be snowed areas.		
Medical Plan		
Nearest Hospitals: MV Hospital		
Signatures		
Prepared by:	Qualification Title:	Date:
Reviewed by:	Qualification Title:	Date:
Approved by:	Title:	Date: