

Ohio Forestry Pollution Prevention Plan (FP³)



Ohio Department of Natural Resources

Division of Forestry

In cooperation with

Ohio's 88 Soil & Water Conservation Districts



Program Purpose: This voluntary planning program is designed to assist woodland landowners, loggers, foresters, and others in the pre-planning of logging, prescribed fire, tree planting and other silvicultural activities. The program is designed to help the responsible parties select Best Management Practices (BMPs) that will reduce soil erosion and ensure compliance with the state standards found in the Forestry Pollution Abatement Rules (Ohio Administrative Code 1501:3-12-01 to 1501:3-12-07).

Guidance for Completing the "FP³"

Complete the "Planned Activities" section below (Page 1) as well as the "Responsible Parties," "Physical Location," and "Watershed" sections on Page 2. Next, fill out the "BMPs" section for your planned activity. You do not need to fill out any sections that do not apply. For example, if you are planning logging activity, you do not need to fill out the "Prescribed Fire" or "Tree Planting" sections.

All plans should be signed on Page 6 and submitted to the Soil and Water Conservation District (SWCD) in the county where the forestry activity will take place. Please also attach a topographical map of the work area as described on Page 2.

This Forestry Pollution Prevention Plan (FP³) is based on the guidelines found in the book **BMPs for Erosion Control for Logging and Forestry Practices in Ohio** (BMP Handbook). The management practices detailed in the book form the standards used to determine compliance with Ohio's Forestry Pollution Abatement Law. For your convenience, chapter and page number references are provided within this form. By referring to these pages, you can see photos, diagrams, etc., as well as written descriptions of the recommended BMPs.

To obtain a free, printed copy of the BMP Handbook, please contact your local SWCD or the Ohio Department of Natural Resources Division of Forestry at (877) 247-8733. You may also download an electronic fillable-form PDF at ohiodnr.gov/business-and-industry/best-management-practices/forest-pollution-prevention/erosion-control-logging.



Planned Activities

(Select all that apply):

- Logging Prescribed Fire
 Tree Planting Other: _____

Planned Start Date: _____

Planned Completion Date: _____

Acres of the Activity: _____

Responsible Parties

Landowner Name(s): _____

Mailing Address: _____

Telephone No.: _____

E-mail Address: _____

Contractor Name (Name of logging company, burn boss, tree planter, etc.): _____

Mailing Address: _____

Contact Person: _____

Telephone Number: _____

E-mail Address: _____

Certified Master Logging Company? Yes No

Has logger attended BMP training within the last 5 years? Yes No

Ohio Certified Prescribed Fire Manager? Yes No

Forester Name(s): _____

Mailing Address: _____

Telephone No.: _____

E-mail Address: _____

Physical Location of the Forest Management Activity:

County: _____ Township: _____ Section: _____

Physical address or name of public road where property will be entered:

Latitude & Longitude of site/job entrance (Optional, indicate if known):

_____°W _____°N

Watershed Information

Indicate the name of the nearest river or stream that the site drains to. (Example: Unnamed tributary flowing to Salt Creek): _____

Maps

All plans submitted **must** include a complete and legible plan map. Attach a copy of a U.S. Geological Survey (USGS) topographic map that encompasses the proposed practice site. On the map, indicate the following: proposed road systems (haul roads and skid trails), stream crossings, log loading area(s), property boundaries, and the boundaries of the forestry operation.

Note: If you need assistance in obtaining or completing map(s), contact the local SWCD office.

Logging BMPs

Nature and Scope of Logging Activity

Harvest Type:

- Thinning
- Timber Stand Improvement (TSI)
- Clearcut
- Other: (Please specify): _____
- Shelterwood cut
- Selection cut (single tree or group)
- Diameter limit

Type of Harvesting System to be Utilized:

Manual (Chainsaw felling and skidder):

- Rubber tire skidder with: Grapple Cable
- Tracked skidder/dozer

Mechanized:

- Cut to length (harvester/forwarder)
- Feller-buncher w/ rubber tire skidder Grapple Cable
- Feller-buncher w/ tracked skidder Grapple Cable

Other:

- Horse skidding Farm tractor skidding Farm tractor w/ forwarding trailer

Planned Best Management Practices

Indicate **Yes** or **No**; If **No**, explain the proposed alternative to be used or why the BMP is not applicable.

Yes No L1. A protective strip of undisturbed soil (Streamside Management Zone or SMZ) will be maintained along all streams. A minimum SMZ width of 50 feet will be maintained on all perennial and intermittent streams and an SMZ of at least 25 feet will be maintained on all ephemeral channels. (Sec. 4, pgs. 18-19). **Explain alternative:**

Yes No L2. Skid trails will be constructed with a grade of less than 20%. Any trails that must be constructed 20% or steeper will receive temporary water bars when rain is forecasted or when temporary shutdown is needed. These steep slopes will also be seeded and mulched at sale closeout in addition to permanent water bars. (Sec. 7, pgs. 29-33; Sec. 10 pgs. 46-52). **Explain alternative:**

Yes No L3. Haul road entrances will be armored with gravel, mud mats, etc. for a minimum of 100' from the public highway to reduce mud on the road and to help keep sediment out of public road ditches. (Sec. 6, pg. 23). **Explain alternative:**

Yes No L4. Log landings will be constructed as small as practical, be adequately drained, and be constructed outside of Streamside Management Zones (SMZs). (Sec. 5, pgs. 21-22). **Explain alternative:**

Yes No L5. Put dips in all approach roads and skid trails that are upslope of landings to prevent water from flowing onto the landing (Sec. 5, pg. 22). **Explain alternative:**

Yes No L6. When haul roads cannot be out-sloped, ditch water off the road and use properly sized culverts at intervals specified in the BMP Handbook. (Sec. 6, pgs. 23-26). **Explain alternative:**

Yes No L7. On non-ditched roads, use broad-based dips and/or grade breaks at intervals specified in the BMP Handbook. (Sec. 6, pgs. 23-26). **Explain alternatives:**

Yes No L8. Temporary water bars or turn-outs will be placed on skid trails when rain is in the forecast. Temporary water bars will be installed for all non-weather-related shutdowns lasting longer than 7 days. (Sec. 7, pg. 30). **Explain alternative:**

Yes No L9. Permanent water bars will be installed at specific intervals (based on slope) within 7 days of final logging equipment passage on the trail, as described in the BMP Handbook. (Sec. 7, pgs. 31- 33, Sec. 10, pgs. 44-46). **Explain alternative:**

Yes No L10. Logging slash greater than 6" in diameter will be removed from the channel of perennial streams as identified on USGS 7.5-minute quadrangles. Slash will be pulled back from channel and bank. (Sec. 4, pg. 20). **Explain alternative:**

Yes No L11. Harvest (sale) closeout procedures will be completed. Water bars will be built on all skid trails as well as any haul roads that will not have future vehicular traffic. The following areas will be seeded and mulched using the liming, fertilization, seeding, and mulching guidelines found in the BMP Handbook: landings, roads within SMZs, stream crossings, haul roads and skid trails with a slope of 20% or greater. (Sec. 10, pgs. 44-52). Indicate the seed mixture that will be used:

Yes No L12. All trash, such as used oil filters, equipment, parts, and other items will be removed from the harvest site. (Sec. 9, pgs. 42-43). **Explain alternative:**

Stream Crossings

Will any perennial or intermittent streams be crossed (Sec. 8, pgs. 34-39)? Yes No
If yes, which method is being planned? Bridges Fords Culverts Other _____

Yes No L13. Approaches of all stream crossings will be adequately armored or stabilized. Crossing will only occur at a right angle to the stream (90 degrees). All disturbed soil within the Streamside Management Zone will be revegetated with seed and straw mulch within 7 days of the final equipment crossing. (Sec. 8, pg. 34-39; Sec. 10, pgs. 46-52). **Explain alternative:**

Prescribed Fire BMPs

Provide a general description of the prescribed fire activity that is to take place (include fire line construction methods, stream proximity, burn objective, etc.):

Yes No F1. Weather, fuel moisture, slope and other variables will be monitored to ensure public safety and to avoid excessive soil heating, which can lead to hydrophobic soil, rapid runoff, and soil erosion. (Sec. 13, pg. 62). **Explain alternative:**

Yes No F2. All excavated fire lines will be constructed on the contour when possible. Permanent water bars will be installed on all sloped excavated fire lines at specific intervals as described in the BMP Handbook within 7 days of concluding burning operations. (Sec. 13, pg. 63; Sec. 7, pgs. 31-33; Sec. 10, pg. 44-46). **Explain alternative:**

Yes No F3. When excavated fire lines intersect streams or are constructed within Streamside Management Zones (SMZs), seed and mulch will be applied to all excavated soil within the SMZ, and sediment barriers will be installed (after fire activities have concluded). (Sec. 13, pg. 63; Sec. 2, pgs 8-12; Sec. 10, pgs. 46-52). **Explain alternative:**

Yes No F4. If excavated fire lines are to be constructed more than 7 days prior to the prescribed fire, temporary water bars will be installed to all sloped lines at the time of line construction. (Sec. 13, pg. 63). **Explain alternative:**

Yes No F5. Prescribed fire operations will comply with all of Ohio’s laws and rules related to open burning (ORC 1503.18 (c), OAC 3745-19, and OAC 1301:7-7) and will be coordinated with the local fire code official, fire department and law enforcement agencies. (Sec. 13, pgs. 63-65). **Explain alternative:**

Tree Planting BMPs

Provide a general description of the tree planting activity that is to take place (include site preparation methods, tillage, or herbicides that are to be used):

Yes No P1. Site preparation will coincide with the anticipated tree planting date. Long delays between any excavation, tillage, etc. and tree planting will be avoided. If delays become necessary, temporary cover crops will be established until the tree planting occurs. (Sec. 14, p. 66; Sec. 10, pgs. 46-52). **Explain alternative:**

Yes No P2. Brush, slash, or root balls resulting from site preparation will only be deposited outside of the Streamside Management Zone of perennial and intermittent streams. (Sec. 14, p. 67). **Explain alternative:**

Yes No P3. Trees will be planted on the contour, where possible, to slow surface water runoff and reduce erosion potential. (Sec. 14, p.66). **Explain alternative:**

Yes No P4. Tillage, spraying and other site preparation activities will be suspended during wet periods to minimize the risk of soil sediment or herbicides reaching streams and other bodies of water. (Sec. 14, p.67). **Explain alternative:**

Benefits of Operating Under an Approved Plan

OAC 1501: 3-12-05 (A) (1) If the chief or the chief's designee determines that any person owning or responsible for a silvicultural operation is managing such operation in accordance with a timber harvest plan {Forestry Pollution Prevention Plan (FP³)} currently approved by the chief or the chief's designee, the person shall be considered in compliance with the state rules for forestry pollution abatement. In a private civil action for nuisances involving forestry pollution, it is an affirmative defense if the person owning, operating, or otherwise responsible for silvicultural operations is operating under and in substantial compliance with an approved timber harvest plan.

Signatures of Responsible Parties

I am aware of the erosion control requirements of Ohio's Forestry Pollution Abatement Rules and Standards. I agree to conduct all forest management activities on this site in a manner that will reduce the potential for damage to waters of the state and maintain compliance with all state laws.

Landowner Signature: _____ (Date)

Contractor Signature: _____ (Date)

Forester Signature: _____ (Date)

Date the Forestry Pollution Prevention (FP³) Plan was received by the SWCD or ODNR: _____

Review & Approval:

Form reviewed by: _____ (SWCD or ODNR Representative) (Date)

Site review conducted by the staff from _____ SWCD _____ ODNR _____ Other _____

Site reviewed by: _____ (SWCD or ODNR Technical Representative) (Date)

If applicable, the FP³ Plan was reviewed at the _____ meeting of the _____ SWCD Board of Supervisors. (Date)

_____ Approved _____ Disapproved for the following reason(s):

Signed: _____ (Date)
 Chair, SWCD Board of Supervisors, or ODNR