

MINNESOTA PRACTICE STANDARDS FOR CULTURAL RESOURCES REVIEW

(Updated August 16, 2012)

Conservation Practice	Code	Exempt	Undertaking
Access Control (ac)	472	X	
Access Road (ft)	560		X
Air Filtration and Scrubbing (no)	371	X	
Alley Cropping (ac)	311	X	
Anaerobic Digester-Controlled Temperature (no)*	366	X	X
Animal Mortality Facility (no)	316		X
Animal Trails and Walkways (ft)	575		X
Aquaculture Ponds	397		X
Aquatic Organism passage	396		X
Brush Management (ac)*	314	X	X
Channel Bed Stabilization	584		X
Clearing and Snagging (ft)	326	X	
Composting Facility (no)	317		X
Conservation Cover (ac)	327	X	
Conservation Crop Rotation (ac)	328	X	
Constructed Wetland	656		X
Contour Buffer Strips (ac)	332	X	
Contour Farming (ac)	330	X	
Constructed Wetland	656		X
Cover Crop (ac)	340	X	
Critical Area Planting (ac)*	342	X	X
Cross Wind Ridges (ac)	589A	X	
Cross Wind Trap Strips (ac)	589C	X	
Dam (no, ac, ft)	402		X
Deep Tillage (ac)	324		X
Dike (ft)	356		X
Diversion (ft)	362		X
Drainage Water Management	554	X	
Dry Hydrant (ea)	432		X
Early Successional Habitat Development/Mgt. (ac)	647	X	
Farmstead Energy Improvement	374	X	
Fence (ft)	382	X	
Field Border (ft)	386	X	
Filter Strip (ac)*	393	X	X
Firebreak (ft)*	394	X	X
Forage and Biomass Planting (ac)*	512	X	X
Forage Harvest Management	511	X	
Forest Site Preparation (ac)*	490	X	X
Forest Stand Improvement (ac)	666	X	
Forest Trails and Landings (ac)	655		X
Grade Stabilization Structure (no)*	410	X	X
Grassed Waterway (ac)*	412	X	X
Heavy Use Area Protection (ac)	561		X
Hedgerow Planting (ft)*	422	X	X
Herbaceous Weed Control	315	X	
Herbaceous Wind Barriers (ft)	603	X	

Conservation Practice	Code	Exempt	Undertaking
Irrigation System Sprinkler (no & ac)	441	X	
Irrigation Water Management (ac)	449	X	
Karst Sinkhole Treatment	527		
Lined Waterway or Outlet (ft)*	468	X	X
Livestock Pipeline	516		
Mine Shaft and Adit Closing (no)	457		X
Mulching (ac)	484	X	
Nutrient Management (ac)	590	X	
Obstruction Removal (ac)	500		X
Pest Management (ac)	595	X	
Pipeline (ft)*	516	X	X
Pond (no)	378		X
Pond Sealing or Lining, Flexible Membrane Lining (no)	521A	X	
Prescribed Burning (ac)*	338	X	X
Prescribed Grazing (ac)	528	X	
Pumping Plant (no)	533		X
Range Planting (ac)	550	X	
Recreation Area Improvement (ac)	562		X
Residue Management, Mulch Till (ac)	345	X	
Residue Management, No Till and Strip Till (ac)	329	X	
Residue Management, Ridge Till (ac)	346	X	
Residue Management, Seasonal (ac)	344	X	
Restoration and Management of Declining Habitats (ac)*	643	X	X
Riparian Forest Buffer (ac)*	391	X	X
Riparian Herbaceous Cover (ac)*	390	X	X
Roof Runoff Management (no)	558	X	
Roofs and Covers (no)	367	X	
Salinity and Sodic Soil Management*	610	X	X
Sediment Basin (no)	350		X
Solid/Liquid Waste Separation Facility (no)	632		X
Spring Development (no)	574		X
Stormwater Runoff Control (no/ac)	570	X	
Stream Channel Stabilization (ft)	584		X
Stream Crossing (no)	578		X
Stream Habitat Improvement and Management (ac)	395	X	
Streambank and Shoreline Protection (ft)	580		X
Stripcropping (ac)	585	X	
Structure for Water Control (no)	587		X
Subsurface Drain (ft)*	606	X	X
Surface Drainage, Field Ditch (ft)	607		X
Surface Drainage, Main or Lateral (ft)	608		X
Terrace (ft)*	600	X	X
Tree/Shrub Establishment (ac)*	612	X	X
Tree/Shrub Pruning (ac)	660A	X	
Underground Outlet (no)*	620	X	X
Upland Wildlife Habitat Management (ac)*	645	X	X
Vegetative Barrier (ft)*	601	X	X
Vegetated Treatment Area	635	X	
Waste Facility Closure	360		X
Waste Storage Facility (no)	313		X
Waste Transfer (no)	634		X

Conservation Practice	Code	Exempt	Undertaking
Waste Treatment (no)	629	X	
Waste Utilization (ac)	633	X	
Water and Sediment Control Basin (no)	638		X
Water Harvesting Catchment (no)	636	X	
Water Well (no)	642		X
Watering Facility (no)*	614	X	X
Well Decommissioning (no)	351	X	
Wetland Creation (ac)*	658		X
Wetland Enhancement (ac)*	659		X
Wetland Restoration (ac)*	657		X
Wetland Wildlife Habitat Management (ac)*	644	X	X
Windbreak/Shelterbelt Establishment (ft)*	380	X	X
Windbreak/Shelterbelt Renovation (ft)	650	X	X
INTERIM			
Denitrifying Bioreactor	747		X
Monitoring and Evaluation	799	X	
Seasonal High Tunnel Systems for Crops*	798	X	X
Vegetated Subsurface Drain Outlet (Saturated Buffer)	739		X

*Explanations for practices listed as both Undertakings and Exempt (i.e. conditional) are presented below:

Anaerobic Digester (366) – If any components (i.e. pipes, tank, waste storage) are installed underground then it is considered an Undertaking.

Brush Management (314) – Undertaking when using mechanical means. Exempt when chemical.

Critical Area Planting (342) – Undertaking when it involves grading or shaping or breaks new ground.

Filter Strip (393) - Undertaking when it involves grading or shaping or breaks new ground.

Firebreak (394) – It is an Undertaking in non-cropped areas.

Forage and Biomass Planting (512) Undertaking when new ground breaking.

Forest Site Preparation (490) – Undertaking if any mechanical treatments are applied (disking, plowing, dozing, land clearing blade use, etc.).

Grade Stabilization (410) – Exempt when repairing or rehabbing existing structure(s) and when disturbance is limited to the originally disturbed area.

Undertaking if borrow will be acquired adjacent to the repair/rehab site or work extends outside of original footprint. In all other cases it is an Undertaking and the area of impact includes borrow areas.

Grassed Waterway (412) – Exempt when being installed in cropland. Undertaking when being installed in non-cropland or a site where the cropland history is questionable.

Hedgerow Planting (422) – Undertaking if disturbance is related to planting or renovation; Undertaking if disturbance is vertically and/or horizontally significant and/or in a high probability area for cultural resources.

Lined Waterway or Outlet (468) – If it is a new installation then it is an Undertaking. If adding a liner to a previously disturbed waterway (e.g. adding a liner on top of a waterway and anchoring down with staples) then Exempt.

Livestock Pipeline (516) – Below ground installation is considered an Undertaking, above ground is Exempt.

Prescribed Burning (338) – Exempt in previously cropped areas. Undertaking in non-cropped areas.

Restoration and Management of Declining Habitats (643) - If implementation involves just seeding or tree planting (e.g. for CRP) - **DO NOT** send it in. 643 is sometimes a component of wetland restorations for WRP and at times trees do get removed and buried as part of that. So this is the reason it is conditional. Send it in for review if there is tree removal involved.

Riparian Forest Buffer (391) – This practice is typically installed in high probability areas therefore with any degree of site preparation or alteration it should be considered an Undertaking. If hand planting with minimal disturbance or if natural vegetation is the preferred method then it is Exempt.

Riparian Herbaceous Cover (390) – Undertaking when new or significant ground disturbance is involved.

Salinity and Sodic Soil Management (610) – When a subsurface drain or subsurface disturbance is required then it is an Undertaking. If applying chemical treatment or shallow vegetative planting then it is Exempt.

Seasonal High Tunnel Systems for Crops (798) - considered a conditional practice requiring review for cultural resources when ground disturbance will extend beyond the depth of the normal plow zone or when other associated practices will exceed the depth of this plow zone. EQIP requirements mandate that the High Tunnel practice be located in existing cultivated cropland. If providing assistance on High Tunnels outside of EQIP on previously undisturbed ground then the practice would be considered an undertaking.

Stream Habitat Improvement and Management (395) – Review depends on degree of disturbance.

Subsurface Drain (606) – If it's a repair or replacement with no new disturbance then it is Exempt.

Terraces (600) – Undertaking when new terraces are being constructed. Exempt when repairing or reworking existing terraces.

Tree/Shrub Establishment (612) – Exempt when disturbance is minimal or in already disturbed areas. If disturbance will be below the plow zone or substantial impacts are anticipated in a high probability area for cultural resources then it is an Undertaking.

Underground Outlet (620) – When being repaired or replaced in a previously disturbed area then Exempt. Otherwise it's an Undertaking.

Upland Wildlife Habitat Management (645) – Undertaking when vegetative manipulation involves mechanical means or prescribed burning. Same for tree and shrub plantings - when disturbance is either extensive or accomplished by mechanical means in previously undisturbed areas then it's an Undertaking.

Vegetative Barrier (601) – Undertaking when site preparation is mechanical or disturbance from either site prep or planting is significant.

Wetland Wildlife Habitat Management (644) – Undertaking when installing water control structures or performing restoration activities (including the need for borrow or earth moving). Exempt when installing artificial structures or performing shallow vegetative plantings.

Windbreak/Shelterbelt Establishment and Renovation (380, 650) – Exempt when the project area has been previously disturbed or impacts will be shallow (i.e. in or above the plow zone). Undertaking when disturbance is significant (e.g. using heavy equipment to clear, burn, and/or bury piles of old trees or excavate to plant large trees).