National Handbook of Conservation Practices

Contents:

Chapter 1 **General Practice Standards Information**

Preface ……		1–1
NHCP Exhibit 1	Documentation Files ……..….	1–2
NHCP Exhibit 2	Interim Conservation Practice Standards ……...	1–3
NHCP Exhibit 3	Practice Standard ……...	1–4
NHCP Exhibit 4	Practice Specification ……	1–5
NHCP Exhibit 5	Federal Register Letter ……..	1–6
NHCP Exhibit 6	Developing and Revising NRCS National Conservation Practice Standards ……...	1–7

Chapter 2 **Published NHCP Notices** **Date**

NHCP Notice 149…….	1/2010
NHCP Notice 150……...	4/2010
NHCP Notice 151……...	7/2010
NHCP Notice 152……...	9/2010
NHCP Notice 153……...	4/2011
NHCP Notice 154……...	5/2011
NHCP Notice 155……...	9/2011
NHCP Notice 156……	12/2011
NHCP Notice 157……	1/2012
NHCP Notice 158……	4/2013
NHCP Notice 159……	12/2013
NHCP Notice 160……	9/2014
NHCP Notice 161……	3/2015
NHCP Notice 162……	6/2015
NHCP Notice 163……	9/2015
NHCP Notice 164……	5/2016
NHCP Notice 165……	9/2016
NHCP Notice 166……	3/2017
NHCP Notice 167……	10/2017
NHCP Notice 168……	4/2019

Chapter 3 National Conservation Practice Standards

Practice Name and Units	Lead Discipline	Date of Current Standard	Practice Code	Practice Lifespan*
Access Control (ac)	ESD-For	10/17	472	10
Access Road (ft)	CED-AE	9/14	560	10
Agrichemical Handling Facility (no)	CED-EE	9/14	309	15
Air Filtration and Scrubbing (no)	CED-AQS & ESD-ARS	4/10	371	10
Alley Cropping (ac)	ESD-For	10/17	311	15
Amending Soil Properties with Gypsum Products (ac)	ESD-Agron	6/15	333	1
Amendments for Treatment of Agricultural Waste (au)	CED-EE	4/13	591	1
Anaerobic Digester (no)	CED-EE	10/17	366	25
Animal Mortality Facility (no)	CED-EE	9/15	316	15
Anionic Polyacrylamide (PAM) Application (ac)	CED-WME	9/16	450	1
Aquaculture Ponds (ac)	CED-AE & ESD-AqEco	1/10	397	10
Aquatic Organism Passage (mi)	ESD-AqEco & CED HE	4/11	396	5
Bedding (ac)	CED-WME	7/10	310	3
Bivalve Aquaculture Gear and Biofouling Control (ac)	ESD-AqEco	4/11	400	1
Brush Management (ac)	ESD-Graz Land Sp	3/17	314	10
Building Envelope Improvement (no)	CED-EC	4/13	672	10
Channel Bed Stabilization (ft)	CED-EG	9/15	584	10
Clearing and Snagging (ft)	CED-CE	5/16	326	5
Combustion System Improvement (no)	CED-AQS & ESD-ARS	4/19	372	10
Composting Facility (no)	CED-EE & ESD-NM	9/16	317	15
Conservation Cover (ac)	ESD-Agron	9/14	327	5
Conservation Crop Rotation (ac)	ESD-Agron	9/14	328	1
Constructed Wetland (ac)	CED-EE	9/16	656	15
Contour Buffer Strips (ac)	ESD-Agron	9/14	332	5
Contour Farming (ac)	ESD-Agron	10/17	330	5
Contour Orchard and Other Perennial Crops (ac)	ESD-Agron	9/15	331	10
Controlled Traffic Farming (ac)	ESD-Agron	9/15	334	5
Cover Crop (ac)	ESD-Agron	9/14	340	1
Critical Area Planting (ac)	ESD-Agron & CED-LA	9/16	342	10
Crosswind Ridges (ac)	ESD-Agron	10/17	588	1
Cross Wind Trap Strips (ac)	ESD-Agron	9/14	589C	5
Dam (no)	CED-DE	10/17	402	15
Dam, Diversion (no)	CED-DE	5/11	348	15
Deep Tillage (ac)	ESD-Agron	12/13	324	1
Denitrifying Bioreactor (no)	CED-WME	9/15	605	10
Dike (ft)	CED-HE	11/02	356	20
Diversion (ft)	CED-AE	5/16	362	10
Drainage Water Management (ac)	CED-WME	9/16	554	1
Dry Hydrant (no)	CED-HE	9/11	432	15
Dust Control from Animal Activity on Open Lot Surfaces (ac)	CED-AQS & ESD-ARS	9/10	375	1
Dust Control on Unpaved Roads and Surfaces (sf)	CED-AQS & ESD-ARS	4/19	373	1
Early Successional Habitat Development/Mgt. (ac)	ESD-Wbio	9/10	647	1
Emergency Animal Mortality Management (no)	CED-EE	9/15	368	1
Farmstead Energy Improvement (no)	CED-EC	5/11	374	10
Feed Management (au)	ESD-AH	9/16	592	1
Fence (ft)	ESD-Graz Land Sp	4/13	382	20
Field Border (ac)	ESD-Agron	9/16	386	10

Practice Name and Units	Lead Discipline	Date of Current Standard	Practice Code	Practice Lifespan*
Field Operations Emissions Reduction (ac)	ESD-Agron	9/15	376	1
Filter Strip (ac)	ESD-Agron	9/16	393	10
Firebreak (ft)	ESD-For	9/10	394	5
Fish Raceway or Tank (no)	ESD-AqEco & CED-DE	5/16	398	10
Fishpond Management (no)	ESD-AqEco	9/11	399	1
Forage and Biomass Planting (ac)	ESD-Graz Land Sp	1/10	512	5
Forage Harvest Management (ac)	ESD- Graz Land Sp	4/10	511	1
Forest Stand Improvement (ac)	ESD-For	9/15	666	10
Forest Trails and Landings (ft & ac)	ESD-For & CED-AE	10/17	655	5
Fuel Break (ac)	ESD-For	4/05	383	10
Grade Stabilization Structure (no)	CED-DE	9/14	410	15
Grassed Waterway (ac)	CED-AE & ESD-Agron	9/14	412	10
Grazing Land Mechanical Treatment (ac)	ESD-Graz Land Sp	9/10	548	1
Groundwater Testing (no)	CED-EG	9/14	355	1
Heavy Use Area Protection (sf)	CED-AE	9/14	561	10
Hedgerow Planting (ft)	ESD-WBio	9/10	422	15
Herbaceous Weed Treatment (ac)	ESD-Graz Land Sp	3/17	315	5
Herbaceous Wind Barriers (ft)	ESD-Agron	9/15	603	5
High Tunnel System (sf)	ESD-AH	3/15	325	5
Hillside Ditch (ft)	CED-AE	10/17	423	10
Irrigation Canal or Lateral (ft)	CED-WME	9/10	320	15
Irrigation Ditch Lining (ft)	CED-WME	5/11	428	20
Irrigation Field Ditch (ft)	CED-WME	4/11	388	15
Irrigation Land Leveling (ac)	CED-WME	9/16	464	15
Irrigation Pipeline (ft)	CED-WME	5/11	430	20
Irrigation Reservoir (ac-ft)	CED-WME	5/11	436	15
Irrigation System, Microirrigation (ac)	CED-WME	9/15	441	15
Irrigation System, Surface and Subsurface (ac)	CED-WME	9/16	443	15
Irrigation System, Tailwater Recovery (no)	CED-WME	9/14	447	15
Irrigation Water Management (ac)	CED-WME & ESD-Agron	9/14	449	1
Karst Sinkhole Treatment (no)	CED-EG	9/15	527	10
Land Clearing (ac)	CED-AE	9/11	460	10
Land Reclamation, Abandoned Mined Land (ac)	CED-SE & ESD-Agron	8/06	543	15
Land Reclamation, Currently Mined Land (ac)	CED-SE & ESD-Agron	8/06	544	15
Land Reclamation, Landslide Treatment (no & ac)	CED-SE	2/05	453	15
Land Reclamation, Toxic Discharge Control (no)	CED-EE	4/05	455	15
Land Smoothing (ac)	CED-AE	12/13	466	10
Lighting System Improvement (no)	CED-EC	4/13	670	10
Lined Waterway or Outlet (ft)	CED-AE	3/17	468	15
Livestock Pipeline (ft)	CED-WME	9/11	516	20
Livestock Shelter Structure (no)	ESD-AH	12/13	576	10
Mine Shaft and Adit Closing (no)	CED-SE	2/05	457	15
Mole Drain (ft)	CED-WME	3/03	482	3
Monitoring Well (no)	CED-EG	9/14	353	15
Mulching (ac)	ESD-Agron	10/17	484	1
Multistory Cropping (ac)	ESD-For	7/10	379	10
Nutrient Management (ac)	ESD-NM & CED-EE	4/19	590	1
Obstruction Removal (ac)	CED-AE	1/10	500	10
On-Farm Secondary Containment Facility (no)	CED-EE	9/14	319	15
Open Channel (ft)	CED-DE	9/15	582	15
Pest Management Conservation System (ac)	ESD-PM	4/19	595	1
Pond (no)	CED-DE	9/15	378	20

Practice Name and Units	Lead Discipline	Date of Current Standard	Practice Code	Practice Lifespan*
Pond Sealing or Lining, Compacted Soil Treatment (sf)	CED-SE	5/16	520	15
Pond Sealing or Lining, Concrete (sf)	CED-SE	5/16	522	20
Pond Sealing or Lining – Geomembrane or Geosynthetic Clay Liner (sf)	CED-CE	10/17	521	20
Precision Land Forming (ac)	CED-AE	9/14	462	10
Prescribed Burning (ac)	ESD- Graz Land Sp & ESD For	9/10	338	1
Prescribed Grazing (ac)	ESD-Graz Land Sp	3/17	528	1
Pumping Plant (no)	CED-WME	5/11	533	15
Range Planting (ac)	ESD-Graz Land Sp	4/10	550	5
Recreation Area Improvement (ac)	CED-LA & ESD-For	10/77	562	15
Recreation Land Grading and Shaping (ac)	CED-AE	4/13	566	15
Residue and Tillage Management, No Till (ac)	ESD-Agron	9/16	329	1
Residue and Tillage Management, Reduced Till (ac)	ESD-Agron	9/16	345	1
Restoration of Rare or Declining Natural Communities (ac)	ESD-WBio	3/17	643	1
Riparian Forest Buffer (ac)	ESD-For&CED-LA&ESD-WBio	7/10	391	15
Riparian Herbaceous Cover (ac)	ESD-Wbio	9/10	390	5
Road/Trail/Landing Closure and Treatment (ft)	ESD-For & CED-AE	10/17	654	10
Rock Barrier (ft)	CED-AE	9/10	555	10
Roof Runoff Structure (no)	CED-EE	9/14	558	15
Roofs and Covers (no)	CED-EE	9/15	367	10
Row Arrangement (ac)	CED-AE	4/13	557	5
Salinity and Sodic Soil Management (ac)	CED-WME & ESD-Agron	9/10	610	1
Saturated Buffer (ft)	CED-WME	5/16R2	604	15
Sediment Basin (no)	CED-DE	5/16	350	20
Shallow Water Development and Management (ac)	ESD-Wbio	9/10	646	5
Short Term Storage of Animal Waste and Byproducts (cf)	CED-EE	9/14	318	1
Silvopasture (ac)	ESD-For	5/16	381	15
Spoil Spreading (ac)	CED-AE	1/10	572	1
Spring Development (no)	CED-WME	12/13	574	20
Sprinkler System (ac)	CED-WME	9/15	442	15
Stormwater Runoff Control (no & ac)	CED-AE	9/10	570	1
Streambank and Shoreline Protection (ft)	CED-DE	9/10	580	20
Stream Crossing (no)	CED-EG & AqEco	10/17	578	10
Stream Habitat Improvement and Management (ac)	ESD-AqEco	4/19	395	5
Stripcropping (ac)	ESD-Agron	10/17	585	5
Structure for Water Control (no)	CED-DE	10/17	587	20
Structures for Wildlife (no)	ESD-WBio	9/14	649	5
Subsurface Drain (ft)	CED-WME	4/19	606	20
Surface Drain, Field Ditch (ft)	CED-WME	9/15	607	15
Surface Drain, Main or Lateral (ft)	CED-WME	9/15	608	15
Surface Roughening (ac)	ESD-Agron	9/14	609	1
Terrace (ft, m)	CED-AE	9/14	600	10
Trails and Walkways (ft)	CED-AE & ESD-Graz Land Sp	9/14	575	10
Tree/Shrub Establishment (ac)	ESD-For & CED-LA	5/16	612	15
Tree/Shrub Pruning (ac)	ESD-For	9/14	660	10
Tree/Shrub Site Preparation (ac)	ESD-For	1/06	490	1
Underground Outlet (ft)	CED-AE	12/13	620	20
Upland Wildlife Habitat Management (ac)	ESD-WBio	9/10	645	1
Vegetated Treatment Area (ac)	CED-EE	9/15	635	10
Vegetative Barrier (ft)	ESD-Agron	9/15	601	5

Practice Name and Units	Lead Discipline	Date of Current Standard	Practice Code	Practice Lifespan*
Vertical Drain (no)	CED-EG	9/15	630	10
Waste Facility Closure (no)	CED-EE & ESD-NM	4/19	360	15
Waste Recycling (no)	CED-EE	10/17	633	1
Waste Separation Facility (no)	CED-EE	4/13	632	15
Waste Storage Facility (no)	CED-EE	5/16	313	15
Waste Transfer (no)	CED-EE	9/14	634	15
Waste Treatment (no)	CED-EE	4/13	629	10
Waste Treatment Lagoon (no)	CED-EE	10/17	359	15
Water and Sediment Control Basin (no)	CED-AE	10/17	638	10
Water Harvesting Catchment (no)	CED-WME	9/10	636	20
Watering Facility (no)	CED-AE & ESD-WBio	9/14	614	10
Waterspreading (ac)	CED-WME	4/13	640	15
Water Well (no)	CED-EG	9/14	642	20
Well Decommissioning (no)	CED-EG	9/14	351	20
Wetland Creation (ac)	ESD-WBio & CED-WME	9/10	658	15
Wetland Enhancement (ac)	ESD-WBio & CED-WME	9/10	659	15
Wetland Restoration (ac)	ESD-WBio & CED-WME	9/10	657	15
Wetland Wildlife Habitat Management (ac)	ESD-WBio	9/10	644	1
Wildlife Habitat Planting (ac)	ESD-WBio	4/19	420	5
Windbreak/Shelterbelt Establishment (ft)	ESD-For	5/11	380	15
Windbreak/Shelterbelt Renovation (ft)	ESD-For	7/10	650	15
Woody Residue Treatment (ac)	ESD-For	10/17	384	10

ESD – Ecological Sciences Division
Agron – Agronomist
AH – National Leader Animal Husbandry
AqEco – Aquatic Ecologist
ARS – Atmospheric Resource Specialist
For – Forester
Graz Land Sp – Grazing Land Specialist
NM – Nutrient Management Specialist
PM – Pest Management Specialist
WBio – Biologist

CED – Conservation Engineering Division
AE – Agricultural Engineer
AQS – Air Quality Specialist
CE – Construction Engineer
DE – Design Engineer
EC – Energy Conservation Engineer
EE – Environmental Engineer
EG – Engineering Geologist
HE – Hydraulic Engineer
LA – Landscape Architect
SE – Soils Engineer
WME – Water Management Engineer

*Practice lifespan as listed in the CPS reference table. National lifespans must be used unless a variance is requested and granted.