PART 10: Revegetation *(Excluding Cropland and Streams)*

10.1 Revegetation of Drainage Control Ditches. Describe plans for revegetation of ditches associated with construction of roads, conveyer systems, rail systems, and associated with controlling overland flow drainage. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5; 1816.43/1817.43; 1816.45/1817.45; 1816.111/1817.111; 1816.114/1817.114]**

10.1.1 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. [**1816.111(c)/1817.111(c); 1816.114/0817.114; 1780.18(b)(5)/1784.13(b)(5)]**

10.1.2 Describe the timing and methods proposed to transition from the temporary vegetation to the semi-permanent or permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.1.3 Provide a semi-permanent or permanent grass and forbs species list that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. **[1816.111 (a) and (b)/1817.111 (a) and (b); 1816.111(c)/1817.111(c)]**

10.1.4 Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates for the semi-permanent or permanent grass and forbs list. **[1780.18(b)(5)/1784.13(b)(5)]**

10.2 Revegetation of Faces of Embankments. Describe plans for revegetation of faces of embankments of sediment ponds and other water structures. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5); 1816.46(b)(1) and (4)/1817.46(b)(1) and (4); 1816.49(a)(8)/1817.49(a)(8); 1816.111/1817.111]**

10.2.1 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/0817.114; 1780.18(b)(5)/1784.13(b)(5)]**

10.2.2 Describe the timing and methods proposed to transition from the temporary vegetation to the semi-permanent or permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.2.3 Provide a semi-permanent or permanent grass and forbs species list that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land

use, and are required to control erosion. **[1816.111 (a) and (b)/1817.111 (a) and (b); 1816.111(c)/1817.111(c)]**

10.2.4 Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates for the semi-permanent or permanent grass and forbs list. **[1780.18(b)(5)/1784.13(b)(5)]**

10.3 Revegetation of Soil Stockpiles. Describe plans for revegetation of subsoil and topsoil stockpiles. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5; 1816.22(c)(2)(C)/1817.22(c)(2)(C); 1816.111/1817.111]**

10.3.1 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/1817.114; 1780.18(b)(5)/1784.13(b)(5)]**

10.3.2 Describe the timing and methods proposed to transition from the temporary vegetation to the semi-permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.3.3 Provide a semi-permanent grass and forbs species list that is capable of controlling erosion and capable of self-regeneration. If non-native species are proposed, provide adequate justification that the species are desirable and necessary to control erosion. **[1816.111 (a) and (b)/1817.111 (a) and (b); 1816.111(c)/1817.111(c)]**

10.3.4 Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates for the semi-permanent grass and forbs list. **[1780.18(b)(5)/1784.13(b)(5)]**

10.4 Revegetation of Refuse Disposal Facilities. Describe plans for revegetation of refuse disposal facilities. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5); 1816.22(c)(2)(C)/1817.22(c)(2)(C); 1816.111/1817.111]**

10.4.1 Provide the proposed post-mining land use designation for refuse disposal facilities and a justification for the necessity of that land use. **[1780.23(b)/1784.15(b)]**

The post-mining land use within the permit area will be pasture. The refuse embankment slopes and impoundment cover will be reclaimed with a diverse stand of perennial grasses and legumes. At bond release the vegetative ground cover will be at least 70% of the species approved as the final permanent vegetative ground cover. Refuse Cell 5 is a long-term support facility associated with the Gateway Mine coal processing operation. Exemption from prime farmland replacement standards is authorized under the pre-existing permits pursuant to 62 Ill Adm. Code 1823.11.b

10.4.2 Describe proposed soil preparation and a soil testing plan related to reclamation and re-vegetation procedures. **[1780.18(b)(5)(G)/1784.13(b)(5)(G)]**

Fertilization rates per acre will typically include agricultural lime at 3 T/a, phosphorus at 150 lb/ac, potassium at 200 lb/ac, and nitrogen at 120 lb/ac. These are typical cover crop application rates and will be adjusted based upon soil chemical analysis.

10.4.3 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/0817.114]**

The use of a cover crop will be the primary conservation practice during the initial stages of revegetation. Where the erosion hazard is such that especially quick establishment is desired and/or where a cover crop alone may not be sufficient to control erosion, mulch material will be applied. This material will typically be hay or straw, it will typically be crimped into the soil and the application rates will typically be one to two tons per acre.

Temporary Vegetation [Cover Crops]

Plant Species	Seeding or Planting Rate	Method of Application
Spring Oats[1]	1.5 bu/ac	Drilled or Broadcast
Rye Grass [annual] [1]	20.0 lb/ac	Drilled or Broadcast
Sunflower	10.0 lb/ac	Drilled or Broadcast
German Millet[1]	20.0 lb/ac	Drilled or Broadcast
Sorghum/Sudan/Sudex[1]	32.0 lb/ac	Drilled or Broadcast
Korean Lespedeza[1]	20.0 lb/ac	Drilled or Broadcast
Wheat[1]	1.5 bu/ac	Drilled or Broadcast
Rye Grass [perennial] [1]	20.0 lb/ac	Drilled or Broadcast

Note: Plantings may be of single or mixed species composition.

[1]Introduced species commonly used in agricultural applications, widely distributed and naturalized component of regional vegetative cover. Introduced species are selected and historically managed for preferred agricultural characteristics including reliable germination, rapid growth, root development, nitrogen fixation, drought resistance, grain yield, forage yield, insect resistance and soil erosion prevention.

10.4.4 Describe the timing and methods proposed to transition from the temporary vegetation to the permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

Reclaimed pasture will initially be seeded to a temporary grass/legume cover crop described in Part 10.4.3 for quick establishment of erosion control and then to a diverse mix of perennial warm season grasses and legumes. Stable and accessible slopes will be reseeded with a pasture mix. Seeding will be completed with a seed drill designed for application of fine / light seed. Steep slope areas of the proposed Refuse Cell 5 may not prove accessible and will be seeded by less effective broadcast application. The pasture will be mowed to inhibit weeds and non-native species from dominating the young native grass and forb seedlings. Stands will be mowed close (6 inches) in first year and at 12 inches in subsequent years.

10.4.5 Provide a permanent grass and forbs species list that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved

post-mining land use, and are required to control erosion. Specify if the proposed seed mix contains different species for the slopes and the top of the structure. Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates. **[1780.18(b)(5)/1784.13(b)(5); 1816.111(a) and (b)/1817.111(a) and (b); 1816.111(a)(2)/1817.111(a)(2); 1816.97(g)/1817.97(g)]**

Wildlife Herbaceous Vegetation

Pasture

Plant Species	Seeding or Planting Rate	Method of Application
Orchard Grass[1]	10.0 lb/ac	Broadcast
Reed Canarygrass[1]	8.0 lb/ac	Broadcast
Tall Fescue [endophyte-free] [1]	8.0 lb/ac	Broadcast
Red Clover[1]	6.0 lb/ac	Broadcast
Sweet Clover[1]	8.0 lb/ac	Broadcast
Brome Grass[1]	20.0 lb/ac	Broadcast
Red Top[1]	10.0 lb/ac	Broadcast
Rye Grass [perennial] [1]	10.0 lb/ac	Broadcast
Ladino Clover[1]	2.0 lb/ac	Broadcast
Alfalfa[1]	8.0 lb/ac	Broadcast
Birdsfoot Trefoil[1]	10.0 lb/ac	Broadcast
Korean Lespedeza[1]	15.0 lb/ac	Broadcast

Note:Plantings will typically consist of mixed species composition; but may involve a single species where normal seeding practices require monocultural stands [i.e. alfalfa, various clovers, etc.].

10.4.6 Describe a periodic measurement plan of the vegetation that will be used to identify if remedial actions are necessary to achieve the approved species and / or post-mining land use vegetation success standards during the applicable period of liability. Information provided shall also describe a remedial action plan to achieve the approved vegetative species, invasive species management, or post-Mining Land Use success. Remedial actions may include but are not limited to mowing, burning, undesirable invasive species control, irrigation and pest and disease control. **[1816.116(b)(1)/1817.116(b)(1); 1816.111(a) and (b)/1817.111(a) and (b)]**

Early growth stands of pasture grasses and forbs will be mowed in the first few years to inhibit weeds and non-native species from dominating the young native grass and forb seedlings. Stands will be mowed close (6 inches) in first year and at 12 inches in subsequent years. It is expected that several years will be required for the permanent pasture ground cover to establish. After establishment of pasture grasses and forbs will be periodically mowed as necessary to promote regeneration and maintain diversity.

10.5 Pasture Reclamation Plan. Describe plans for reclamation and revegetation of Pasture. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5); 1816.111/1817.111; 1816.116/1817.116]**

10.5.1 Describe proposed soil preparation and a soil testing plan related to reclamation and re-vegetation procedures. **[1780.18(b)(5)(G)/1784.13(b)(5)(G)]**

10.5.2 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/0817.114]**

10.5.3 Describe the timing and methods proposed to transition from the temporary vegetation to the permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.5.4 Provide a permanent pasture grass species list, describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates. **[1780.13(b)(5)/1784.18(b)(5)]**

10.5.5 Describe a periodic measurement plan of the vegetation that will be used to identify if remedial actions are necessary to achieve the approved species and / or post-mining land use vegetation success standards during the applicable period of liability. Information provided shall also describe a remedial action plan to achieve the approved vegetative species, invasive species management, or post-Mining Land Use success. Remedial actions may include but are not limited to mowing, burning, undesirable invasive species control, irrigation and pest and disease control. **[1816.116(b)(1)/1817.116(b)(1); 1816.111(a) and (b)/1817.111(a) and (b)]**

10.6 Fish and Wildlife-Herbaceous Reclamation Plan. Describe plans for reclamation and revegetation of Wildlife Herbaceous areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5); 1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117]**

10.6.1 Describe proposed soil preparation and a soil testing plan related to reclamation and revegetation procedures. **[1780.18(b)(5)(G)/1784.13(b)(5)(G)]**

10.6.2 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/0817.114]**

10.6.3 Describe the timing and methods proposed to transition from the temporary vegetation to the permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.6.4 Provide a permanent grass and forbs species list that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates. **[1780.18(b)(5)/1784.13(b)(5); 1816.111(a) and (b)/1817.111(a) and (b); 1816.111(a)(2)/1817.111(a)(2); 1816.97(g)/1817.97(g)]**

10.6.5 Describe a periodic measurement plan of the vegetation that will be used to identify if remedial actions are necessary to achieve the approved species and / or post-mining land use vegetation success standards during the applicable period of liability. Information provided shall also describe a remedial action plan to achieve the approved vegetative species, invasive species management, or post-mining land use success. Remedial actions may include but are not limited to mowing, burning, undesirable invasive species control, irrigation and pest and disease control. **[1816.116(b)(1)/1817.116(b)(1); 1816.111(a) and (b)/1817.111(a) and (b)]**

10.7 Fish and Wildlife-Woody Reclamation Plan. Describe plans for reclamation and revegetation of Wildlife Woody areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. If a bat Protection and Enhancement Plan (PEP) is part of the application, the applicant shall ensure consistency between this part and the bat PEP. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1780.18(b)(5)/1784.13(b)(5; 1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117;** OSM Directives TSR-16 Directive 931**]**

10.7.1 Describe proposed soil preparation and a soil testing plan related to reclamation and revegetation procedures. **[1780.18(b)(5)(G)/1784.13(b)(5)(G)]**

10.7.2 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/0817.114]**

10.7.3 Describe the timing and methods proposed to transition from the temporary vegetation to the permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.7.4 Provide a permanent herbaceous ground cover species list and a woody species list that is diverse, native, capable of controlling erosion, capable of self-regeneration, and that has growth habits compatible with woody species success. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates. **[1780.18(b)(5)/1784.13(b)(5); 1816.111(a) and (b)/1817.111(a) and (b); 1816.111(a)(2)/1817.111(a)(2); 1816.97(g)/1817.97(g);** Operator Memorandum No. 2017-02**]**

10.7.5 Describe a periodic measurement plan of the vegetation that will be used to identify if remedial actions are necessary to achieve the approved species and / or post-mining land use vegetation success standards during the applicable period of liability. Refer to Operator Memorandum No. 2017-02 for additional information regarding tree and shrub planting maintenance. Information provided shall also

describe a remedial action plan to achieve the approved vegetative species, invasive species management, or post-mining land use success. Remedial actions may include but are not limited to mowing, burning, undesirable invasive species control, irrigation and pest and disease control. **[1816.116(b)(1)/1817.116(b)(1); 1816.111(a) and (b)/1817.111(a) and (b)]**

10.8 Fish and Wildlife-Wetland Reclamation Plan. Describe plans for reclamation and revegetation of Wildlife Wetland areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. The following information is required: **[1701.5; 1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117; 1816.102(h)/1817.102(h);** OSM Directives System TSR-14 Directive 828**]**

10.8.1 Is the wetland a managed engineered area, a borrow area or a structure that functions as part of the surface drainage/sediment control plan?

☐ YES ☐ NO

If NO, complete Part 10.8.2, If YES, the following information is required:

10.8.1.1 Describe how the soil type(s) in the proposed wetland area will support hydrophytic vegetation. If hydric soils are not present, describe how the area will function as a wetland without this wetland parameter. **[1701.5 Appendix A]**

10.8.1.2 Discuss the potential for the area to be inundated or saturated by surface or groundwater at a frequency to support hydrophytic vegetation on at least 30% of the surface acres of the wetland. **[1701.5 Appendix A]**

10.8.1.3 Provide a permanent wetland vegetation species list that is compatible with the Corp of Engineers Wetland Delineation Manual as described in the regulations. The species list must also be diverse, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. **[1816.116(a)(5)(A)/1817.116(a)(5)(A); 1816.111 (a) and (b)/1817.111 (a) and (b); 1816.97(g)/1817.97(g)]**

10.8.1.4 Provide a description of how the requirements for permanent impoundments will be met. **[1816.49(b)/1817.49(b)]**

10.8.2 Wildlife Wetland Enhancement

10.8.2.1 Describe how the soil type(s) in the proposed will support hydrophytic vegetation. If hydric soils are not present, describe how the area will function as a wetland without this wetland parameter. **[1701.5 Appendix A]**

10.8.2.2 Discuss the potential for the area to be inundated or saturated by surface or groundwater at a frequency to support hydrophytic vegetation on at least 30% of the surface acres of the wetland. **[1701.5 Appendix A]**

10.8.2.3 Provide a permanent wetland vegetation species list that is compatible with the Corp of Engineers Wetland Delineation Manual as described in the regulations. The species list must also be diverse, capable of controlling erosion, and capable of self-regeneration. Adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. **[1816.116(a)(5)(A)/1817.116(a)(5)(A); 1816.111 (a) and (b)/1817.111 (a) and (b); 1816.97(g)/1817.97(g)]**

10.9 Fish and Wildlife-Water and/or Developed Water Resources Reclamation Plan. Describe plans for reclamation and revegetation of Wildlife Water and/or Developed Water Resources areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. The following information is required: **[1816.49(b)/1817.49(b); 1816.56/1817.56; 1816.97/1817.97]**

10.9.1 For Developed Water Resources, provide a description of the future quality of the impounded water including the following: assurance that it will meet water quality standards, it will not degrade the quality of the receiving water, and it will not diminish the quality/quantity of water utilized by adjacent land owners. **[1816.49(b)/1817.49(b)]**

10.9.2 For Fish and Wildlife - Water, discuss how the area will support and enhance fish and wildlife habitat, describe the future water quality, and describe how the water level will be capable of supporting the intended use. **[1816.49(b)/1817.49(b); 1816.97/1817.97]**

10.10 Forest Reclamation Plan. Describe plans for reclamation and revegetation of Forest areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. If a bat Protection and Enhancement Plan (PEP) is part of the application, the applicant shall ensure consistency between this part and the bat PEP. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117;** OSM Directives TSR-16 Directive 931**]**

10.10.1 Describe proposed soil preparation and a soil testing plan related to reclamation and revegetation procedures. **[1780.18(b)(5)(G)/1784.13(b)(5)(G)]**

10.10.2 Describe the methods for the use of temporary seeding/mulching to control erosion, discuss the species, seeding rate by species per acre, and mulching methods and type of mulch. **[1816.111(c)/1817.111(c); 1816.114/1817.114]**

10.10.3 Describe the timing and methods proposed to transition from the temporary herbaceous cover vegetation to the permanent vegetative cover. **[1816.111(c)/1817.111(c)]**

10.10.4 Provide a permanent herbaceous ground cover species list and a woody species list that is diverse, native, capable of controlling erosion, capable of self-regeneration, and that has growth habits compatible with woody species success. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. Describe seeding rate by species per acre, methods of planting and seeding, mulching and fertilizer plan and rates. **[1780.18(b)(5)/1784.13(b)(5); 1816.111(a) and (b)/1817.111(a) and (b); 1816.111(a)(2)/1817.111(a)(2); 1816.97(g)/1817.97(g);** Operator Memorandum No. 2017-02**]**

10.10.5 Describe a periodic measurement plan of the vegetation that will be used to identify if remedial actions are necessary to achieve the approved species and / or post-mining land use vegetation success standards during the applicable period of liability. Refer to Operator Memorandum No. 2017-02 for additional information regarding tree and shrub planting maintenance. Information provided shall also describe a remedial action plan to achieve the approved vegetative species, invasive species management, or post-mining land use success. Remedial actions may include but are not limited to mowing, burning, undesirable invasive species control, irrigation and pest and disease control. **[1816.116(b)(1)/1817.116(b)(1); 1816.111(a) and (b)/1817.111(a) and (b)]**

10.11 Industrial/Commercial Reclamation Plan. Describe plans for reclamation and revegetation of Industrial/Commercial areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. For responses that are identical to other parts, "see response to question number X" is acceptable. The following information is required: **[1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117]**

10.11.1 Describe plans for utilization of the area for Industrial or Commercial purposes at the time of bond release.

10.11.2 Provide a ground cover species list and a woody species list, if applicable that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion. **[1816.111 (a) and (b)/1817.111 (a) and (b); 1816.97(i)/1817.97(i)]**

10.12 Recreation Reclamation Plan. Describe plans for reclamation and revegetation of Recreation areas. The revegetation plan must conform to the standards of success outlined in the regulations and adhere to the Illinois Noxious Weed Law. For responses that are identical to other parts, "see response to question number X" is

acceptable. The following information is required: **[1816.111/1817.111; 1816.97/1817.97; 1816.116/1817.116; 1816.117/1817.117]**

10.12.1 Describe plans for utilization of the area for recreational purposes at the time of bond release.

10.12.2 Provide a ground cover species list and a woody species list, if applicable that is diverse, native, capable of controlling erosion, and capable of self-regeneration. If non-native species are proposed to achieve the post-mining land use, provide adequate justification that the species are desirable, necessary to achieve the approved post-mining land use, and are required to control erosion **[1816.111 (a) and (b)/1817.111 (a) and (b); 1816.97(i)/1817.97(i)]**

10.13 Habitat Diversification in Cropland. Describe plans to intersperse crop fields with trees, hedges, conservation drainage ways, or fence rows that will break up crop monocultures and diversify habitat, where appropriate and compatible with crop management and wildlife management practices. **[1816.97(h)/1817.97(h); 1816.111/1817.111]**