

| 1  | (a) The diversion includes an adequate outlet that prevents erosion.                          |
|----|-----------------------------------------------------------------------------------------------|
| 2  | (b) The diversion complies with all of the following that apply:                              |
| 3  | 1. NRCS technical guide critical area planting standard 342.                                  |
| 4  | 2. NRCS technical guide diversion standard 362.                                               |
| 5  | 3. NRCS technical guide fencing standard 382.                                                 |
| 6  | 4. NRCS technical guide grassed waterway standard 412.                                        |
| 7  | 5. NRCS technical guide lined waterway or outlet standard 468.                                |
| 8  | 6. NRCS technical guide obstruction removal standard 500.                                     |
| 9  | 7. NRCS technical guide subsurface drain standard 606.                                        |
| 10 | 8. NRCS technical guide underground outlet standard 620.                                      |
| 11 | 9. NRCS technical guide wildlife upland habitat management standard 645, if                   |
| 12 | habitat management is used to mitigate the loss of habitat resulting from installation of a   |
| 13 | diversion.                                                                                    |
| 14 | (c) The landowner agrees to maintain the diversion for 10 years unless farming                |
| 15 | operations on the affected land are discontinued.                                             |
| 16 | ATCP 50.71 Field windbreaks. (1) DEFINITION. In this section, "field                          |
| 17 | windbreak" means a strip or belt of trees, shrubs or grasses established or restored within   |
| 18 | or adjacent to a field, so as to control soil erosion by reducing wind velocities at the land |
| 19 | surfaçe.                                                                                      |
| 20 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the                  |
| 21 | cost of planting trees, shrubs or grasses to protect farm fields from wind erosion            |

| 1  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                  |
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| 2  | ATCP 50.40 may not reimburse field windbreak costs unless all of the following         |
| 3  | conditions are met:                                                                    |
| 4  | (a) The windbreak is protected from destructive grazing.                               |
| 5  | (b) The windbreak complies with all of the following that apply:                       |
| 6  | 1. NRCS technical guide fencing standard 382.                                          |
| 7  | 2. NRCS technical guide field windbreaks standard 392.                                 |
| 8  | 3. NRCS technical guide livestock exclusion standard 472.                              |
| 9  | (c) The landowner agrees to maintain the windbreak for 10 years unless farming         |
| 10 | operations on the affected land are discontinued                                       |
| 11 | ATCP 50.72 Filter strips. (1) DEFINITION. In this section:                             |
| 12 | (a) "Filter strip" means an area of herbaceous vegetation that separates an            |
| 13 | environmentally sensitive area from cropland, grazing land or disturbed land. "Filter  |
| 14 | strip" does not include a wastewater treatment strip.                                  |
| 15 | (b) "Wastewater treatment strip" has the meaning given in s. ATCP 50.94(1).            |
| 16 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the           |
| 17 | following filter strip costs:                                                          |
| 18 | (a) Permanent fencing to protect the filter strip.                                     |
| 19 | (b) Costs to establish permanent vegetative cover in the filter strip, or to provide   |
| 20 | temporary cover until permanent cover is established. This may include costs for mulch |
| 21 | fertilizer and other necessary materials.                                              |
| 22 | (c) Costs to shape, smooth or prepare the filter strip before establishing a           |
| 23 | permanent vegetative cover.                                                            |

| 1  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 2  | under s. ATCP 50.40 may not reimburse filter strip costs unless all of the following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 3  | conditions are met: https://doi.org/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.1000/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/10.100/ |
| 4  | (a) The filter strip complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 5  | 1. NRCS technical guide critical area planting standard 342.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 6  | 2. NRCS technical guide fencing standard 382.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 7  | 3. NRCS technical guide field border standard 386.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 8  | 4. NRCS technical guide filter strip standard 393.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 9  | 5. NRCS technical guide livestock exclusion standard 472.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 10 | 6. NRCS technical guide mulching standard 484.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 11 | 7. NRCS technical guide riparian forest buffer standard 391.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 12 | (b) The landowner agrees to maintain the filter strip for 10 years unless farming                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 13 | operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 14 | ATCP 50.73 Grade stabilization structures. (1) DEFINITION. In this section,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15 | "grade stabilization structure" means a structure which stabilizes the grade in a channel in                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16 | order to protect the channel from erosion, or to prevent gullies from forming or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 17 | advancing. A "grade stabilization structure" may include any of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 18 | (a) Detention or retention structures such as dams, desilting reservoirs, sediment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 19 | basins and debris basins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20 | (b) Related structures such as channel linings, chutes, drop spillways or pipe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 21 | drops.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 22 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 23 | of the following: 174 Testagation Control of the Control of the following and the following of the following of the following and the following of the followin |

(a) Costs to design, construct, repair or modify a grade stabilization structure. 1 (b) Costs for leveling and filling needed to install the structure. 2 (c) Costs to establish permanent vegetative cover, or to provide temporary cover 3 until permanent cover is established. This may include costs for mulch, fertilizer, seed 4 and other necessary materials: A season production of the season of the 5 (d) Costs for fencing to protect the structure. 6 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s. 7 ATCP 50.40 may not reimburse any cost related to a grade stabilization structure unless 8 all of the following conditions are met: 9 (a) The department pre-approves the structure in writing if the embankment 10 structural height is 15 to 25 feet, or the maximum storage capacity is 15 to 50 acre-feet. 11 (b) The structural height does not exceed 25 feet, and the maximum storage 12 capacity does not exceed 50 acre-feet. 13 (c) DNR is notified and given the opportunity to conduct a feasibility study if the 14 structure is adjacent to a navigable stream or a stream supporting a fishery. 15 (d) The structure complies with all of the following that apply: 16 1. NRCS technical guide critical area planting standard 342. 17 2. NRCS technical guide diversion dam standard 348. 18 3. NRCS technical guide sediment basin standard 350. 19 4. NRCS technical guide diversion standard 362. 20 5. NRCS technical guide fencing standard 382. 21 6. NRCS technical guide obstruction removal standard 500. 22 7. NRCS technical guide grade stabilization structure standard 410.

| 1  | 8. NRCS technical guide grassed waterway standard 412.                                   |
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| 2  | 9. NRCS technical guide lined waterway or outlet standard 468.                           |
| 3  | 10. NRCS technical guide mulching standard 484.                                          |
| 4  | 11. NRCS technical guide subsurface drain standard 606.                                  |
| 5  | 12. NRCS technical guide underground outlet standard 620.                                |
| 6  | 13. NRCS technical guide water and sediment control basin standard 638.                  |
| 7  | (e) The landowner agrees to maintain the grade stabilization structure for 10            |
| 8  | years unless farming operations on the affected land are discontinued.                   |
| 9  | ATCP 50.74 Heavy use area protection. (1) DEFINITION. In this section,                   |
| 10 | "heavy use area protection" means installation of surface material to control runoff and |
| 11 | erosion in areas subject to concentrated or frequent livestock activity. "Heavy use area |
| 12 | protection" may include establishing vegetative cover, or installing surfacing materials |
| 13 | such as concrete, compacted stone and stone fragments, or geotextiles.                   |
| 14 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse an              |
| 15 | of the following costs related to heavy use area protection:                             |
| 16 | (a) Costs for surfacing materials in a barnyard runoff control system, manure            |
| 17 | storage system or prescribed grazing system if necessary to facilitate removal of manure |
| 18 | or to protect groundwater.                                                               |
| 19 | (b) Costs for installing a permanent vegetative cover, including costs for mulch,        |
| 20 | fertilizer, seed and other necessary materials.                                          |
| 21 | (c) Costs for excavation, fill, grading and compacting.                                  |
| 22 | (d) Costs for fencing needed to contain livestock in any barnyard runoff control         |
| 23 | system.                                                                                  |

| 1  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                      |
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| 2  | ATCP 50.40 may not reimburse the cost of heavy use area protection unless all of the       |
| 3  | following conditions are met:                                                              |
| 4  | (a) The practice complies with all of the following that apply:                            |
| 5  | 1. NRCS technical guide critical area planting standard 342.                               |
| 6  | 2. NRCS technical guide fencing standard 382.                                              |
| 7  | 3. NRCS technical guide heavy use area protection standard 561.                            |
| 8  | (b) The landowner agrees to maintain the heavy use area protection for 10 years            |
| 9  | unless farming operations on the affected land are discontinued.                           |
| 10 | ATCP 50.75 Livestock fencing. (1) DEFINITION. In this section, "livestock                  |
| 11 | fencing" means either of the following:                                                    |
| 12 | (a) Excluding livestock, by fencing or other means, in order to protect an erodible        |
| 13 | area or a practice under this subchapter.                                                  |
| 14 | (b) Restricting, by fencing or other means, human access to manure storage                 |
| 15 | structures or other practices under this subchapter which may pose a hazard to humans.     |
| 16 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse                   |
| 17 | costs for livestock fencing, including the cost of designing and installing permanent      |
| 18 | fencing, gates and related devices that are necessary to protect a practice, or to prevent |
| 19 | degradation of waters of the state.                                                        |
| 20 | (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50:40 may not                       |
| 21 | reimburse the costs for any of the following:                                              |
| 22 | (a) Electric fence energizers.                                                             |
| 23 | (b) Portable fences and equipment used to contain or exclude livestock.                    |

| *    | (c) I chemg, gates of other equipment used primarily for the purpose of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| 2    | segregating, handling or feeding livestock, rather than protecting an erodible area or a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| 3    | practice under this subchapter and a second of the second |      |
| 4    | (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |      |
| 5    | ATCP 50.40 may not reimburse livestock fencing costs unless all of the following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |
| 6    | conditions are met: and gette desired assessment as a second conditions are met.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 1    |
| 7    | (a) The livestock fencing complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |
| 8    | 1. NRCS technical guide fencing standard 382.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
| 9    | 2. NRCS technical guide livestock exclusion standard 472.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |
| 10   | (b) The landowner agrees to maintain the livestock fencing practice for 10 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | r    |
| 11   | unless farming operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | £ /  |
| 12   | ATCP 50.76 Livestock watering facilities. (1) DEFINITION. In this section,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 77   |
| 13   | "livestock watering facility" means a trough, tank, pipe, conduit, spring development,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |
| 14   | pump, well, or other device or combination of devices installed to deliver drinking water                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |
| 15   | to livestock.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
| 16   | (2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |
| 17   | reimburse costs to establish a livestock watering facility if the livestock watering facility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
| 18   | is a necessary component of a prescribed grazing system funded under s. ATCP 50.80, or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |
| 19   | if all of the following conditions are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |
| , 20 | (a) The livestock watering facility will do one of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | vi i |
| 21   | 1. Prevent nonpoint source water pollution by replacing livestock access to a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |
| 22   | stream or other natural drinking water source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |      |

2. Water livestock that are isolated from a natural drinking water source by 1 another conservation practice under this subchapter. 2 (b) The livestock watering facility is necessary to achieve water quality 3 objectives. And the magness are appeared to the temperature of the control of the 4 (c) Installing the livestock watering facility is less expensive than providing 5 environmentally safe livestock access to a natural source of drinking water. 6 (3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the 7 cost of designing and constructing a livestock watering facility. 8 (4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not 9 reimburse costs for any of the following: 10 (a) More than one livestock watering facility when the need for more than one 11 watering facility is created by the segregation or handling of livestock within a manure 12 management system. This paragraph does not apply when the need for more than one 13 livestock watering facility is created by the segregation or handling of livestock within a 14 prescribed grazing system. 15 (b) A water supply used for purposes other than providing drinking water to 16 livestock angered when he was a first of a systematic programme of a mean which are designed as an income. 17 (c) Installing a livestock watering facility if there is a less expensive way to water 18 livestock, consistent with soil and water conservation goals. 19 (5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not 20 reimburse the cost of establishing a livestock watering facility unless all of the following 21

(a) The livestock watering facility complies with all of the following that apply:

conditions are met:

22

| 1   | 1. NRCS technical guide spring development standard 574.                                               |      |
|-----|--------------------------------------------------------------------------------------------------------|------|
| 2   | 2. NRCS technical guide trough and tank standard 614.                                                  |      |
| 3   | 3. NRCS technical guide well standard 642.                                                             |      |
| 4   | 4. NRCS technical guide pipeline standard 516.                                                         |      |
| 5   | 5. Chapter NR 812, related to well construction and pump installation.                                 |      |
| 6   | (b) The landowner agrees to maintain the livestock watering facility for 10 years                      | 1    |
| 7   | unless farming operations on the affected land are discontinued.                                       |      |
| 8   | ATCP 50.77 Milking center waste control systems. (1) DEFINITIONS. In this                              | 3.1  |
| 9   | section: A sea was separate regarding a different self-ben as financial filterary as a parategrate. At | e si |
| 10  | (a) "Milking center waste" means waste water, cleaning ingredients, waste milk                         | :    |
| 11  | or other discharge from a milking parlor or milkhouse.                                                 |      |
| 12  | (b) "Milking center waste control system" means a system of facilities or                              |      |
| 13, | equipment designed to contain or control the discharge of milking center waste.                        |      |
| 14  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any                           |      |
| 15  | of the following costs related to a milking center waste control system:                               |      |
| 16  | (a) Costs to design, construct, repair or modify a milking center waste control                        | i, e |
| 17  | system, including costs for appropriate waste pretreatment, waste storage and land                     | ٠.   |
| 18  | irrigation equipment.                                                                                  |      |
| 19  | (b) Costs for conduits, pumps and related equipment required to transfer milking                       |      |
| 20  | center wastes, provided that the equipment is designed and used for that sole purpose.                 | r.   |
| 21  | (c) Other milking center waste control measures, approved by the department,                           |      |
| 22  | that are needed to meet identified water quality objectives. These measures may include                |      |
| 23  | conservation sinks, pre-cooler water utilization systems, manifold cleaning systems, air               |      |

in the second district of the endought of the second of th

| 1  | injection systems, wastewater treatment strips used with appropriate waste pretreatment                        |
|----|----------------------------------------------------------------------------------------------------------------|
| 2  | measures, recyclable water storage and plumbing for automatic water and cleaning                               |
| 3  | chemicals controls, flocculator systems, waste milk diverter valves and booster pumps for                      |
| 4  | parlor floor cleaning.                                                                                         |
| 5  | (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not                                           |
| 6  | reimburse any of the following costs related to a milking center waste control system:                         |
| 7  | (a) Costs for any system, component or practice that is not needed to correct an                               |
| 8  | identified water pollution hazard.                                                                             |
| 9. | (b) Buildings or modifications to buildings. This paragraph does not apply to                                  |
| 10 | building modifications that are essential for the installation of a milking center waste                       |
| 11 | control system.                                                                                                |
| 12 | (c) Portable equipment for spreading milking center wastes onto land or                                        |
| 13 | incorporating those wastes into land.                                                                          |
| 14 | (4) Design, construction and maintenance. A cost-share grant may not                                           |
| 15 | reimburse any costs related to a milking center waste control system unless all of the                         |
| 16 | following conditions are met:                                                                                  |
| 17 | (a) The system complies with all of the following that apply:                                                  |
| 18 | 1. The university of Wisconsin-extension pollution control guide for milking                                   |
| 19 | center waste water management (July 1994).                                                                     |
| 20 | NOTE: The UW-extension pollution control guide for milking center waste                                        |
| 21 | water management is on file with the department, the secretary of state                                        |
| 22 | and the revisor of statutes. Copies may be purchased from the department                                       |
| 23 | or the university of Wisconsin-extension (UWEX Pub. No. A3592).                                                |
| 24 | e y la le legation de training de la company de la legation de la company de la company de la company de la co |
| 25 | 2. NRCS technical guide wastewater treatment strip standard 635.                                               |
| 26 | 3. NRCS technical guide waste storage facility standard 313.                                                   |
|    |                                                                                                                |

| -  | Tricos common guide manufe transfer standard 034.                                            |
|----|----------------------------------------------------------------------------------------------|
| 2  | 5. NRCS technical guide nutrient management standard 590 dated March, 1999.                  |
| 3  | (b) The landowner agrees to maintain the milking center waste control system for             |
| 4  | 10 years unless the milking operation is discontinued.                                       |
| 5  | ATCP 50.78 Nutrient management. (1) DEFINITIONS. In this section,                            |
| 6  | "nutrient management" means controlling the amount, source, form, location and timing        |
| 7  | of plant nutrient applications, including application of organic wastes, commercial          |
| 8  | fertilizers, soil reserves and legumes, in order to provide plant nutrients while minimizing |
| 9  | the movement of nutrients to surface water and groundwater.                                  |
| 10 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse                     |
| 11 | costs for nutrient management prescribed in a nutrient management plan. A cost-share         |
| 12 | grant may reimburse any of the following costs related to nutrient management:               |
| 13 | (a) Costs for soil and plant nutrient testing, including residual nitrogen analysis.         |
| 14 | (b) Costs for nutrient analysis of manure and other organic waste.                           |
| 15 | (c) Costs to develop or revise a nutrient management plan.                                   |
| 16 | (3) DESIGN AND MAINTENANCE. A cost-share grant under s. ATCP 50.40 may not                   |
| 17 | reimburse nutrient management costs under this section unless all of the following           |
| 18 | conditions are met:                                                                          |
| 19 | (a) The nutrient management practice complies with NRCS technical guide                      |
| 20 | nutrient management standard 590 dated March, 1999.                                          |
| 21 | (b) The landowner agrees to maintain the nutrient management practice in each                |
| 22 | year for which cost-sharing is provided.                                                     |

| 1  | ATCP 50.79 Pesticide management. (1) Derinthon. In this section,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | "pesticide management" means controlling the storage, handling, use and disposal of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3  | pesticides used in crop production in order to minimize contamination of water, air and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 4  | nontarget organisms.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 5  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6  | costs for pesticide management described in a pesticide management plan. A cost-share                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7  | grant may reimburse any of the following costs related to pesticide management:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8  | (a) Costs for integrated pest management field scouting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9  | (b) Costs to develop or revise a pesticide management plan.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10 | (c) Costs for spill control facilities, including any of the following facilities that                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 11 | are needed: 44 to the order of the time of time of the time of time of the time of the time of time of time of the time of |
| 12 | 1. A liquid-tight, reinforced concrete pad for a pesticide mixing area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 13 | 2. Water-tight walls or perimeter flow diversion structures to convey spills or                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 14 | contaminated water from a pesticide mixing area to a sump.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 15 | 3. Perimeter flow diversion structures needed to convey surface water away from                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 16 | a pesticide mixing area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 17 | 4. A shallow sump collection area capable of storing spills, rinsate, washwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 18 | and precipitation that may leak or fall on a pesticide mixing pad.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 19 | 5. Roof structures and walls to protect a pesticide mixing area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 20 | 6. Pesticide mixing area approach ramps.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 21 | 7. Water supply systems needed for a pesticide mixing area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 22 | 8. Sump pump alarm and recovery systems for a pesticide mixing area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| 1  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | ATCP 50.40 may not reimburse pesticide management costs under this section unless all                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3  | of the following conditions are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 4  | (a) The cost-shared practice complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 5  | 1. NRCS technical guide pest management standard 595.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 6  | 2. Pesticide mixing and loading standards under subch. VIII of ch. ATCP 29.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 7  | 3. Standards specified by the midwest plan service in Designing Facilities for                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 8  | Pesticide and Fertilizer Containment, MWPS-37 (first edition, 1991).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9  | (b) The landowner agrees to maintain the pesticide management practice for each                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10 | cropping season for which cost-sharing is provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11 | ATCP 50.80 Prescribed grazing. (1) DEFINITION. In this section, "prescribed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 12 | grazing" or "rotational grazing" means a grazing system which divides pastures into                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 13 | multiple cells, each of which is grazed intensively for a short period and then protected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 14 | from grazing until its vegetative cover is restored.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 15 | NOTE: Prescribed grazing systems can prevent degradation resulting from other                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 16 | nesturing practices. Prescribed cracing and the last transfer to the last transfer transfer to the last transfer t |
| 17 | pasturing practices. Prescribed grazing systems should replace summer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 18 | dirt lots when they result in water quality degradation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 19 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 20 | cost of replacing animal lots or pastures, or establishing a prescribed grazing system on                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 21 | croplands, that contribute sediments, nutrients or pesticides to a water resource. This                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 22 | may include any of the following costs: A second and the second an |
| 23 | (a) The cost to establish or repair livestock access lanes and stream crossings to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 24 | prevent instability and erosion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| 1  | (b) The cost to establish permanent boundary and main paddock fences. This                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | may include perimeter fencing, lane fencing, portable fencing and gates.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3  | (c) The cost to establish good seeding stands for pasture and hayland planting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 4  | (d) The cost to establish a livestock watering facility. This may include pipeline                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5  | and pasture watering systems, wells, spring developments, and portable watering systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 6  | such as pumps, pipes and tanks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7  | (e) The costs for practices that would remediate streambank erosion and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 8  | streambank habitat degradation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9  | (f) The costs for practices that would exclude livestock from woodlands,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10 | sensitive wildlife habitat and recreational lands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 11 | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 12 | ATCP 50.40 may not reimburse prescribed grazing costs unless all of the following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 13 | conditions are met; where the second was a made of the second sec |
| 14 | (a) The prescribed grazing practices comply with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 15 | 1. NRCS technical guide critical area planting standard 342.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16 | 2. NRCS technical guide pasture and hayland planting standard 512.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 17 | 3. NRCS technical guide pasture and hayland management standard 510.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 18 | 4. NRCS technical guide livestock exclusion standard 472.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 19 | 5. NRCS technical guide streambank and shoreline protection standard 580.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20 | 6. NRCS technical guide heavy use area protection standard 561.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 21 | 7. NRCS technical guide prescribed grazing standard 528A.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 22 | 8. Guidelines specified in "Wisconsin pastures for profit: a hands-on guide to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 23 | rotational grazing," published by the university of Wisconsin-extension, August 1994.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| 1  | <b>NOTE:</b> Copies of "Wisconsin pastures for profit: a hands-on guide to rotational     |
|----|-------------------------------------------------------------------------------------------|
| 2  | grazing" are on file with the department, the secretary of state and the                  |
| 3  | revisor of statutes. Copies may be purchased from the department or from                  |
| 4  | the university of Wisconsin-extension (UWEX Pub. No. A3529).                              |
| 5  | 9. NRCS technical guide animal trails and walkways standard 575.                          |
| 6  | 10. Standards for livestock watering facilities specified under s. ATCP 50.76.            |
| 7  | (b) The landowner agrees to maintain the prescribed grazing system for 10 years           |
| 8  | unless farming operations on the affected land are discontinued.                          |
| 9  | ATCP 50.81 Relocating or abandoning animal feeding operations. (1)                        |
| 10 | DEFINITIONS. In this section:                                                             |
| 11 | (a) "Abandonment" means discontinuing an animal feeding operation in order to             |
| 12 | prevent surface water or groundwater pollution from that animal feeding operation.        |
| 13 | (b) "Animal feeding operation" means a feedlot or facility, other than a pasture,         |
| 14 | where animals are fed, confined, maintained or stabled for 45 days or more in any 12-     |
| 15 | month period. Two or more animal feeding operations under common ownership or             |
| 16 | common management constitute a single animal feeding operation if any of the following    |
| 17 | apply:                                                                                    |
| 18 | 1. The operations are adjacent.                                                           |
| 19 | 2. The operations use common plans, acreage or systems to landspread manure or            |
| 20 | other wastes.                                                                             |
| 21 | 3. Manure, barnyard runoff or other wastes are commingled in a common storage             |
| 22 | facility prior to landspreading.                                                          |
| 23 | (c) "Relocation" means discontinuing an animal feeding operation at one site and          |
| 24 | commencing that operation at a suitable alternate site in order to minimize the amount of |
| 25 | surface water or groundwater pollution from that animal feeding operation.                |

| 1  | (2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may                    |
|----|-------------------------------------------------------------------------------------------|
| 2  | reimburse costs incurred for the permanent relocation or abandonment of an animal         |
| 3  | feeding operation if all of the following conditions are met:                             |
| 4  | (a) The department or the county land conservation committee finds that                   |
| 5  | relocation or abandonment is the most practical and cost-effective way to achieve         |
| 6  | compliance with state or local regulations.                                               |
| 7  | (b) The department approves the relocation or abandonment plan.                           |
| 8  | (c) The landowner agrees, in a covenant that runs with the land, that no person           |
| 9  | may reestablish an animal feeding operation at that site unless the department determines |
| 10 | that the reestablished operation complies with ATCP 50.04. The department may waive       |
| 11 | this requirement if the department finds that the covenant is unnecessary.                |
| 12 | (d) The covenant under par. (c) is recorded in the office of the register of deeds        |
| 13 | for each county in which the property is located.                                         |
| 14 | (3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any              |
| 15 | of the following costs to relocate or abandon an animal feeding operation:                |
| 16 | (a) Costs to install manure management systems and other conservation practices           |
| 17 | under this subchapter at a new site, as authorized under this chapter.                    |
| 18 | (b) Costs to abandon and rehabilitate the current site, including costs for any of        |
| 19 | the following:                                                                            |
| 20 | 1. Removing concrete paving, fencing, bunks, livestock housing structures,                |
| 21 | livestock feeding structures and other obstructions.                                      |
| 22 | 2. Grading and establishing vegetation on the site.                                       |

3. Excluding livestock from the site.

| 1        | 4. Abandoning wells on the site.                                                                             |
|----------|--------------------------------------------------------------------------------------------------------------|
| 2        | (c) Costs to move buildings and other structures.                                                            |
| 3        | (d) Costs to transport animals to a site in this state that is not on the same farm,                         |
| 4        | up to a maximum of \$5,000.                                                                                  |
| 5        | (e) Costs for livestock buildings and associated facilities needed to maintain the                           |
| 6        | transferred livestock at the new site if all of the following apply:                                         |
| 7        | 1. The department determines that the relocation is necessary to comply with                                 |
| 8        | ATCP 50.04 and is cost-effective.                                                                            |
| 9        | 2. The cost-share grant does not exceed the appraised value of the buildings and                             |
| 10       | associated facilities at the current site, or 70% of the costs of the replacement buildings                  |
| 11       | and associated facilities, whichever is less.                                                                |
| 12       | 3. The relocation will not cause a violation of ATCP 50.04.                                                  |
| 13<br>14 | <b>NOTE:</b> Cost-share grants under this section are subject to the limitations specified in s. ATCP 50.42. |
| 15<br>16 | (4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not                                         |
| 17       | reimburse any costs to reestablish an animal feeding operation that has been abandoned                       |
| 18       | under this section.                                                                                          |
| 19       | (5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not                                         |
| 20       | reimburse the cost of relocating or abandoning an animal feeding operation unless all of                     |
| 21       | the following apply:                                                                                         |
| 22       | (a) The relocation or abandonment complies with the technical guide standards                                |
| 23       | for the conservation practices in this subchapter.                                                           |
| 24       | (b) The landowner agrees to maintain the relocated operation, if any, for 10 years                           |
| 25       | unless farming operations on the affected land are discontinued.                                             |

| 1  | ATCP 50.82 Residue management. (1) DEFINITION. In this section, "residue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| 2  | management" means any of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 3  | (a) Preparing land surfaces for the planting and growing of crop plants using                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4  | methods that result in a rough land surface which is covered in varying degrees by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5  | vegetative residues of a previous crop, and which provides a significant degree of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 6  | resistance to soil erosion by raindrop impact, surface water runoff or wind.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 7  | (b) Planting crop seeds in a narrow slot or a narrow strip of tilled soil, in order to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 8  | maintain residue cover and avoid disturbing the entire soil surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9  | (2) ELIGIBLE COSTS. (a) A cost-share grant under s. ATCP 50.40 may reimburse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 10 | costs for any of the following residue management practices:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|    | 1. No-till practices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 11 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 12 | 2. Chisel plowing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 13 | 3. Disking a state there is retired to the same of the |
| 14 | 4. Till-planting practices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15 | 5. Other, similar practices.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 16 | (b) For cost-sharing purposes, the cost of residue management practices shall be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 10 | rangan kalangan di kalangan di Kabupatèn Bangan Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Kabupatèn Ka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 17 | based on prevailing prices charged by providers of custom residue management services                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 18 | in the surrounding area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10 | (3) INELIGIBLE COSTS. A cost-share grant may not reimburse costs for both this                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 19 | 。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 20 | practice and the cover and green manure crop practice for the same acreage in the same                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 21 | year, without department approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

| 1  | (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                    |
|----|------------------------------------------------------------------------------------------|
| 2  | ATCP 50.40 may not reimburse residue management costs unless all of the following        |
| 3  | conditions are met:                                                                      |
| 4  | (a) Land subject to residue management is protected from erosion from the time           |
| 5  | of harvest until after the next planting. Protection may be provided by a cover crop     |
| 6  | residue, temporary cover or another approved practice. The residue, temporary cover or   |
| 7  | other approved practice shall cover at least 30% of the land.                            |
| 8  | (b) On lands with slopes greater than 6%, all tillage and planting operations are        |
| 9  | performed as nearly as practicable on the contour or parallel to terraces.               |
| 10 | (c) The residue management complies with all of the following applicable                 |
| 11 | standards: 1/2 1.11 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1                                |
| 12 | 1. NRCS technical guide residue management, no till and strip till standard 329A         |
| 13 | 2. NRCS technical guide residue management, mulch till standard 329B.                    |
| 14 | 3. NRCS technical guide residue management, seasonal standard 344.                       |
| 15 | (d) The landowner agrees to maintain the residue management practice for each            |
| 16 | cropping season for which cost-sharing is provided.                                      |
| 17 | ATCP 50.83 Riparian buffers. (1) DEFINITION. In this section, "riparian                  |
| 18 | buffer" means an area in which vegetation is enhanced or established to reduce or        |
| 19 | eliminate the movement of sediment, nutrients and other nonpoint source pollutants to an |
| 20 | adjacent surface water resource or groundwater recharge area, to protect the banks of    |
| 21 | streams and lakes from erosion, and to protect fish habitat.                             |
| 22 | (2) ELIGIBLE COSTS. A cost-share grant may reimburse any of the following                |
|    |                                                                                          |

costs:

| 1  | (a) Permanent fencing to protect a riparian buffer.                                     |
|----|-----------------------------------------------------------------------------------------|
| 2  | (b) Costs to establish or enhance permanent vegetative cover in a riparian buffer       |
| 3  | or to provide temporary cover until permanent cover is established. This may include    |
| 4  | costs for mulch, fertilizer, seed, seedling trees and other necessary materials.        |
| 5  | (c) Costs to shape, smooth or prepare the riparian buffer before establishing a         |
| 6  | permanent vegetative cover.                                                             |
| 7  | (d) Costs for land removed from agricultural production to install a riparian           |
| 8  | buffer.                                                                                 |
| 9  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant                  |
| 10 | may not reimburse riparian buffer costs unless all of the following conditions are met: |
| 11 | (a) The riparian buffer system complies with all of the following that apply:           |
| 12 | 1. NRCS technical guide critical area planting standard 342.                            |
| 13 | 2. NRCS technical guide fencing standard 382.                                           |
| 14 | 3. NRCS technical guide field border standard 386.                                      |
| 15 | 4. NRCS technical guide filter strip standard 393.                                      |
| 16 | 5. NRCS technical guide livestock exclusion standard 472.                               |
| 17 | 6. NRCS technical guide mulching standard 484.                                          |
| 18 | 7. NRCS technical guide riparian forest buffer standard 391.                            |
| 19 | 8. NRCS technical guide shoreland habitat standard 643A.                                |
| 20 | 9. NRCS technical guide wildlife upland habitat management standard 645.                |
| 21 | (b) The landowner agrees to maintain the riparian buffer for 10 years unless            |
| 22 | farming operations on the affected land are discontinued.                               |
| 23 | ATCP 50.84 Roofs. (1) DEFINITIONS. In this section:                                     |

| 1 | (a) | "Roof" | means a | weather- | proof co | vering that | t shields an | animal | lot or | manure |
|---|-----|--------|---------|----------|----------|-------------|--------------|--------|--------|--------|
|---|-----|--------|---------|----------|----------|-------------|--------------|--------|--------|--------|

- 2 storage structure from precipitation, and includes the structure supporting that weather-
- 3 proof covering. "Roof" does not include, except in the case of a manure storage
- 4 structure, a covering over an enclosed structure if the sum of the length of the walls of the
- structure exceeds 50 percent of the perimeter of the covering. If a structure includes 2 or
- 6 more square or rectangular areas, the ratio of wall length to covering perimeter shall be
- 7 separately calculated for each square or rectangular area, excluding common sides.
- 8 (b) "Wall" means a vertical expanse in which more than 50 percent of the
- 9 opening from eave to floor or ground is composed of a solid building material. The
- building material need not be rigid.
- 11 (2) COST-SHARE ELIGIBILITY. A cost-share grant under s. ATCP 50.40 may
- 12 reimburse the cost of constructing a roof if the county land conservation committee finds
- that the roof construction is the most practical and cost-effective way to achieve
- 14 compliance with state or local regulations.
- 15 (3) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
- 16 cost of designing and constructing a roof, over an existing or relocated animal lot or
- manure storage structure, that is necessary to prevent barnyard runoff or discharges from
- 18 a manure storage structure.
- 19 (4) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
- 20 reimburse any of the following:
- 21 (a) Costs to install walls or to enclose a roofed area.
- 22 (b) Costs to design or construct a building or structure other than a roof.

| 1                  | (c) Costs to install a roof over feed storage, machinery storage or animal housing                                                                                                                                                                                    |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                  | areas, except as provided in sub. (3) and areas are also become an area of the second and areas are as a second at the second areas.                                                                                                                                  |
| 3                  | (5) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                 |
| 4                  | ATCP 50.40 may not reimburse the cost of installing a roof unless all of the following                                                                                                                                                                                |
| 5                  | conditions are metropsels and the second professional and the second second second second second                                                                                                                                                                      |
| 6                  | (a) The roof complies with the american society of agricultural engineers                                                                                                                                                                                             |
| 7                  | engineering practice number 288.5, December 1992 edition.                                                                                                                                                                                                             |
| 8<br>9<br>10<br>11 | <ul><li>NOTE: Copies of ASAE EP 288.5 are on file with the department, the secretary of state and the revisor of statutes. Copies may be obtained from the department.</li><li>(b) The roof structure has sufficient ventilation to protect farm operators,</li></ul> |
| 13                 | livestock and the roof.                                                                                                                                                                                                                                               |
| 14                 | (c) The roof and supporting structure are constructed of materials with a life                                                                                                                                                                                        |
| 15                 | expectancy of 10 years or more.                                                                                                                                                                                                                                       |
| 16                 | (d) The landowner agrees not to establish additional outdoor animal lots on the                                                                                                                                                                                       |
| 17                 | site for the duration of the cost-share agreement maintenance period, except with                                                                                                                                                                                     |
| 18                 | adequate runoff control practices approved by the department.                                                                                                                                                                                                         |
| 19                 | (e) The landowner agrees not to convert a roofed animal lot structure, cost-shared                                                                                                                                                                                    |
| 20                 | under this chapter, for use other than as an animal lot.                                                                                                                                                                                                              |
| 21                 | (f) The landowner agrees to maintain the roof for 10 years unless farming                                                                                                                                                                                             |
| 22                 | operations on the affected land are discontinued.                                                                                                                                                                                                                     |
| 23                 | ATCP 50.85 Roof runoff systems. (1) DEFINITION. In this section, "roof                                                                                                                                                                                                |
| 24                 | runoff system" means facilities for collecting, controlling, diverting, and disposing of                                                                                                                                                                              |

- precipitation from roofs. A "roof runoff system" may include gutters, downspouts,
- erosion-resistant channels, subsurface drains and trenches.
- 3 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
- 4 cost of designing and constructing a roof runoff system as part of a barnyard runoff
- 5 control system or manure storage system if the roof runoff system is necessary to prevent
- 6 roof runoff from flowing across areas of concentrated manure.
- 7 (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not
- 8 reimburse costs for structures that divert water to areas not adequately protected from
- 9 erosion.
- 10 (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.
- 11 ATCP 50.40 may not reimburse the cost of installing a roof runoff system unless all of
- the following conditions are met:
- (a) The roof runoff system complies with all of the following that apply:
- 14 1. NRCS technical guide roof runoff management standard 558.
- 2. NRCS technical guide underground outlet standard 620.
- (b) The landowner agrees to maintain the roof runoff system for 10 years unless
- farming operations on the affected land are discontinued.
- 18 ATCP 50.86 Sediment basins. (1) DEFINITION. In this section:
- 19 (a) "Sediment basins" means permanent basins that reduce the transport of
- waterborne pollutants such as eroded soil sediment, debris and manure sediment.
- 21 Sediment basins may include containment walls or berms, pickets or screens to filter
- debris, orifices or weirs to control discharge, and conduits to direct runoff to treatment or
- 23 discharge areas.

| 1  | (b) "Maximum storage capacity means the volume of water, in acre-lest,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | capable of being stored behind a dam at maximum water elevation without overtopping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3  | any part that is not part of the spillway system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 4  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 5  | cost of designing and constructing a sediment basin, including costs for heavy use area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 6  | protection, livestock fencing, filter strips, waste transfer, underground outlets, and critical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 7  | area plantings. And the first of a matter of the control of the co |
| 8  | (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9  | reimburse the costs for any of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10 | (a) Basins with a structural height of more than 25 feet or with a maximum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 11 | storage capacity of more than 50 acre-feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 12 | (b) Basins whose failure may endanger human life, or real or personal property.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 13 | (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14 | ATCP 50.40 may not reimburse the cost of installing a sediment basin unless all of the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 15 | following conditions are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 16 | (a) Filter strips or buffers are used to filter any discharge from the sediment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 17 | basin.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 18 | (b) The sediment basin complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 19 | 1. NRCS technical guide critical area planting standard 342.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 20 | 2. NRCS technical guide sediment basin standard 350.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 21 | 3. NRCS technical guide manure transfer standard 634.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 22 | 4. NRCS technical guide fencing standard 382.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 23 | 5. NRCS technical guide wastewater treatment strip standard 635.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| 1                | o. NRCS technical guide heavy use area protection standard 561.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2                | 7. NRCS technical guide underground outlet standard 620.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 3                | 8. Wisconsin DNR conservation practice standard 1001, wet detention basin,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 4                | dated June 1999. And the second of the secon |
| 5<br>6<br>7<br>8 | <b>NOTE:</b> Copies of the DNR conservation practice standard 1001 are on file with the department, the secretary of state, and the revisor of statutes. Copies may be obtained from the department.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 9                | (c) The landowner agrees to maintain the sediment basin for 10 years unless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10               | farming operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 11               | ATCP 50.87 Sinkhole treatment: (1) DEFINITION. In this section, "sinkhole                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 12               | treatment" means modifying a sinkhole, or the area around a sinkhole, to reduce erosion,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 13               | prevent expansion of the hole, and reduce pollution of water resources. Modifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14               | may include the diversion of runoff around a sinkhole, or the alteration of a sinkhole by                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15               | excavation, cleanout, filter treatment, sealing or refilling.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 16               | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 17               | of the following costs related to sinkhole treatment:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 18               | (a) Costs for the design and construction of a grassed waterway or diversion to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 19               | direct surface runoff around a sinkhole.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 20               | (b) Costs for the design and construction of a grassed waterway or diversion to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 21               | direct surface runoff around a geologic depression to prevent the formation of a sinkhole.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 22               | (c) Costs for the design and construction of a modification to a sinkhole for the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 23               | purpose of protecting groundwater resources from contamination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| 1  | (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not                       |
|----|--------------------------------------------------------------------------------------------|
| 2  | reimburse costs for any system, component or practice that is not needed to correct an     |
| 3  | identified water pollution hazard.                                                         |
| 4  | (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                      |
| 5  | ATCP 50.40 may not reimburse any costs related to sinkhole treatment unless all of the     |
| 6  | following conditions are met:                                                              |
| 7  | (a) The treatment complies with all of the following that apply:                           |
| 8  | 1. NRCS technical guide sinkhole treatment standard 725.                                   |
| 9  | 2, NRCS technical guide diversion standard 362.                                            |
| 10 | 3. NRCS technical guide grassed waterway standard 412.                                     |
| 11 | (b) The landowner agrees to maintain the sinkhole treatment for 10 years unless            |
| 12 | farming operations on the affected land are discontinued.                                  |
| 13 | ATCP 50.88 Streambank and shoreline protection. (1) DEFINITION. In this                    |
| 14 | section, "streambank and shoreline protection" means using vegetation or structures to     |
| 15 | stabilize and protect the banks of streams, lakes, estuaries or excavated channels against |
| 16 | scour and erosion, or to protect fish habitat and water quality from degradation due to    |
| 17 | livestock access.                                                                          |
| 18 | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any               |
| 19 | of the following costs related to streambank and shoreline protection:                     |
| 20 | (a) Costs for permanent fencing to protect streambanks and shorelines from                 |
| 21 | damage by livestock.                                                                       |
| 22 | (b) Costs to install rock riprap. Wood chunks, unsorted demolition material,               |

brick, plaster, blacktop and other materials that may produce leachates may not be used

| 1      | as riprap. A cost-share grant may reimburse costs for rock and timber riprap used to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2      | establish fish habitat as part of a streambank and shoreline protection scheme, provided                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 3      | that reimbursement for fish habitat does not exceed 25% of the cost-share grant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4<br>5 | <b>NOTE:</b> Lunker structures, or rock and timber riprap, are sometimes used to create fish habitat.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 7      | (c) Costs to shape streambanks or shorelines before installing protective plantings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 8      | or structures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 9      | (d) Costs to construct or modify stream crossings that will minimize disturbance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 10     | of the stream channel and banks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|        | ti i desti at mi began, attendi tenno i a i dite. I i attendi a tangen ete destina gan da i i a i a i a i a i                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11     | (e) Costs to establish permanent vegetative cover, or to provide temporary cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|        | and the second of the first of the second of           |
| 12     | until permanent cover is established. This may include costs for mulch, fertilizer and                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 13     | other necessary materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| –      | ntak tinga kepin di pada di kalah makit kalah makit kalah di kepin di kadap dengan di kebajah                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 14     | (f) Costs for water pumps or other facilities that deliver water to livestock so that                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 15     | livestock can be excluded from surface waters. Well construction costs may not be                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 16     | reimbursed under a cost-share grant unless well construction is the most cost-effective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 17     | way to deliver water to livestock.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|        | and the state of t           |
| 18     | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|        | rate real contraction and the contraction of the co           |
| 19     | ATCP 50.40 may not reimburse costs for streambank or shoreline protection unless all of                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|        | 人名英格兰 医克勒氏 医多种性 医皮肤 化二甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基甲基                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 20     | the following conditions are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 21     | (a) The streambank or shoreline protection complies with all of the following that                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 22     | apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|        | e <sup>st</sup> of the Other Control of the Co |
| 23     | 1. NRCS technical guide critical area planting standard 342.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|        | All the Control of th           |

3. NRCS technical guide streambank and shoreline protection standard 580.

2. NRCS technical guide fencing standard 382.

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4. NRCS technical guide tree and shrub establishment standard 612. 1 5. NRCS technical guide heavy use area protection standard 561. 2 (b) DNR pre-approves the streambank or shoreline protection project in writing if 3 the project will create banks higher than 15 feet, measured from the stream or lake bed. 4 (c) The landowner agrees to maintain the streambank or shoreline protection for 5 a compression de la compressión de la 10 years unless farming operations on the affected land are discontinued. 6 ATCP 50.89 Strip-cropping. (1) DEFINITION. In this section, "strip-cropping" 7 alien referencient in de tall ingoldstatt tallstare, elle eller eller i eller i means growing crops in a systematic strip arrangement in which strips of grass, legumes 8 or other close growing crops are alternated with strips of clean tilled crops or fallow, and 9 eras por reactingular of abbair districts on the process of the supply of the soft of the Assault in which all of the strips are established on the contour or across a slope to reduce water 10 And the state of t or wind erosion. 11 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the 12 Appearance of the second of section to the painting of the section of the second of the section cost of establishing a strip-cropping system, including costs for the necessary removal of 13 obstructions. 14 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s. 15 ATCP 50.40 may not reimburse the cost of establishing a strip-cropping system unless all 16 reference and the property of the contract of of the following conditions are met: 17 sangga ang sa kantaga naga na tanggan sa kanggan sa kanggan sa kantagan sa kantagan sa kantagan sa kantagan ka (a) The strip-cropping operations are performed, to the maximum extent feasible, 18 on the contour. 19 (b) The strip-cropping system complies with all of the following that apply: 20 1. NRCS technical guide obstruction removal standard 500. 21 2. NRCS technical guide contour strip-cropping standard 585. 22

3. NRCS technical guide field strip-cropping standard 586.

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| 2  | (c) The landowner agrees to maintain the strip-cropping for 10 years unless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | farming operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 4  | ATCP 50.90 Subsurface drains. (1) DEFINITION. In this section, "subsurface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5  | drain" means a conduit installed below the surface of the ground to collect drainage wat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6  | and convey it to a suitable outlet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 7  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 8  | cost of designing and constructing a subsurface drain as part of a manure storage system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 9  | barnyard runoff control system, or erosion control system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10 | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11 | reimburse the cost of establishing a subsurface drain unless all of the following                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 12 | conditions are met: who are the state of the |
| 13 | (a) The subsurface drain is a necessary component of a manure storage system,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 14 | barnyard runoff control system or erosion control system.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15 | (b) The subsurface drain complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 16 | 1. NRCS technical guide subsurface drain standard 606.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 17 | 2. NRCS technical guide underground outlet standard 620.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 18 | (c) The landowner agrees to maintain the subsurface drain for 10 years unless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 19 | farming operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 20 | ATCP 50.91 Terrace systems. (1) Definition. In this section, "terrace                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 21 | system" means a system of ridges and channels installed on the contour with a non-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 22 | erosive grade and suitable spacing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

4. NRCS technical guide wind strip-cropping standard 589.

| 1  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any           |
|----|----------------------------------------------------------------------------------------|
| 2  | of the following costs related to a terrace system:                                    |
| 3  | (a) Costs to install the system, including necessary costs for necessary leveling,     |
| 4  | filling and obstruction removal.                                                       |
| 5  | (b) Costs to purchase and install necessary underground pipe outlets and other         |
| 6  | necessary mechanical outlets.                                                          |
| 7  | (c) Costs to modify an ineffective system, unless the system has been rendered         |
| 8  | ineffective because of changes in cropping patterns or equipment usage.                |
| 9  | (d) Costs to establish permanent vegetative cover, or to provide temporary cover       |
| 10 | until permanent cover is established. This may include costs for mulch, fertilizer and |
| 11 | other necessary materials.                                                             |
| 12 | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not                   |
| 13 | reimburse terrace system costs unless all of the following conditions are met:         |
| 14 | (a) The terrace system includes a stable outlet or waterway of adequate capacity.      |
| 15 | (b) The terrace system complies with all of the following that apply:                  |
| 16 | 1. NRCS technical guide critical area planting standard 342.                           |
| 17 | 2. NRCS technical guide grassed waterway standard 412.                                 |
| 18 | 3. NRCS technical guide lined waterway or outlet standard 468.                         |
| 19 | 4. NRCS technical guide obstruction removal standard 500.                              |
| 20 | 5. NRCS technical guide terrace standard 600.                                          |
| 21 | 6. NRCS technical guide subsurface drain standard 606.                                 |
| 22 | 7. NRCS technical guide underground outlet standard 620.                               |
| 23 | 8. NRCS technical guide water and sediment control basin standard 638.                 |

| 1  | (c) The landowner agrees to maintain the terrace system for 10 years unless               |
|----|-------------------------------------------------------------------------------------------|
| 2  | farming operations on the affected land are discontinued.                                 |
| 3  | ATCP 50.92 Underground outlets. (1) DEFINITION. In this section,                          |
| 4  | "underground outlet" means a conduit installed below the surface of the ground to collect |
| 5  | surface water and convey it to a suitable outlet.                                         |
| 6  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the              |
| 7  | cost of designing and constructing an underground outlet as part of a manure storage      |
| 8  | system, barnyard runoff control system, or erosion control system.                        |
| 9  | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                     |
| 10 | ATCP 50.40 may not reimburse the cost of establishing an underground outlet unless all    |
| 11 | of the following conditions are met:                                                      |
| 12 | (a) The underground outlet is a necessary component of a manure storage system,           |
| 13 | barnyard runoff control system or erosion control system.                                 |
| 14 | (b) The underground outlet complies with all of the following that apply:                 |
| 15 | 1. NRCS technical guide subsurface drain standard 606.                                    |
| 16 | 2. NRCS technical guide underground outlet standard 620.                                  |
| 17 | (c) The landowner agrees to maintain the underground outlet for 10 years unless           |
| 18 | farming operations on the affected land are discontinued.                                 |
| 19 | ATCP 50.93 Waste transfer systems. (1) DEFINITION. In this section, "waste                |
| 20 | transfer system" means components such as pumps, pipes, conduits, valves, and other       |
| 21 | structures installed to convey manure and milking center wastes from buildings and        |
| 22 | animal feeding operations to a storage structure, loading area or treatment area.         |

| 1  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2  | cost of designing and constructing a waste transfer system which is a necessary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 3  | component of a manure storage system, barnyard runoff control system or milking center                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 4  | waste system funded under this chapter, provided that the waste transfer system is                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5  | designed and used for that sole purpose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 6  | (3) INELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 7  | reimburse the costs for any of the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8  | (a) Portable equipment for spreading wastes on land or for incorporating wastes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9  | into land.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10 | (b) Buildings or modifications to buildings. This paragraph does not apply to                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 11 | building modifications that are essential for the installation of a milking center waste                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 12 | control system: to sessess as in the measurement of the second of the se |
| 13 | (4) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 14 | ATCP 50.40 may not reimburse the cost of installing a waste transfer system unless all o                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 15 | the following conditions are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 16 | (a) The waste transfer system complies with all of the following that apply:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 17 | 1. NRCS technical guide manure transfer standard 634.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 18 | 2. NRCS technical guide underground outlet standard 620.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 19 | (b) The landowner agrees to maintain the waste transfer system for 10 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 20 | unless farming operations on the affected land are discontinued.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 21 | ATCP 50.94 Wastewater treatment strips. (1) DEFINITION. In this section,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 22 | "wastewater treatment strip" means an area of herbaceous vegetation that is used as part                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| 1  | of an agricultural waste management system to remove pollutants from animal lot runoff |
|----|----------------------------------------------------------------------------------------|
| 2  | or wastewater, such as runoff or wastewater from a milking center.                     |
| 3  | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the           |
| 4  | following wastewater treatment strip costs:                                            |
| 5  | (a) Permanent fencing to protect the wastewater treatment strip.                       |
| 6  | (b) Costs to establish permanent vegetative cover in the wastewater treatment          |
| 7  | strip, or to provide temporary cover until permanent cover is established. This may    |
| 8  | include costs for mulch, fertilizer and other necessary materials.                     |
| 9  | (c) Costs to shape, smooth or prepare the wastewater treatment strip before            |
| 10 | establishing a permanent vegetative cover.                                             |
| 11 | (3) DESIGN, CONSTRUCTION AND MAINTENANCE STANDARDS. A cost-share grant                 |
| 12 | under s. ATCP 50.40 may not reimburse wastewater maintenance strip costs unless all    |
| 13 | the following conditions are met:                                                      |
| 14 | (a) The wastewater treatment strip complies with all the following that apply:         |
| 15 | 1. NRCS technical guide critical area planting standard 342.                           |
| 16 | 2. NRCS technical guide fencing standard 382.                                          |
| 17 | 3. NRCS technical guide livestock exclusion standard 472.                              |
| 18 | 4. NRCS technical guide mulching standard 484.                                         |
| 19 | 5. NRCS technical guide wastewater treatment strip standard 635.                       |
| 20 | (b) The landowner agrees to maintain the wastewater treatment strip for 10 years       |
| 21 | unless farming operations on the affected land are discontinued.                       |
| 22 | ATCP 50.95 Water and sediment control basins. (1) DEFINITIONS. In this                 |
| 23 | section:                                                                               |

- (a) "Manure storage facility" has the meaning given in s. ATCP 50.62(1)(c).
- 2 (b) "Water and sediment control basin" means an earthen embankment or a ridge
- and channel combination which is installed across a slope or minor watercourse to trap or
- detain runoff and sediment. "Water and sediment control basin" does not include a
- 5 manure storage facility or a structure designed to collect runoff and sediment from
- 6 concentrated animal feedlots.

11

- (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse the
   cost of designing and constructing a water and sediment control basin, including practices
   necessary to protect the basin from livestock.
  - (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant may not reimburse the cost of installing a water and sediment control basin unless all of the following conditions are met:
- (a) The water and sediment control basin complies with all of the following thatapply:
- 1. NRCS technical guide critical area planting standard 342.
- 2. NRCS technical guide fencing standard 382.
- 3. NRCS technical guide water and sediment control basin standard 638.
- 4. NRCS technical guide underground outlet standard 620.
- (b) The landowner agrees to maintain the water and sediment control basin for 10
   years unless farming operations on the affected land are discontinued.
- 21 ATCP 50.96 Waterway systems. (1) DEFINITION. In this section, "waterway system" means a natural or constructed waterway or outlet that is shaped, graded and

| 1        | covered with a vegetation or another suitable surface material to prevent erosion by               |
|----------|----------------------------------------------------------------------------------------------------|
| 2        | runoff waters.                                                                                     |
| 3        | (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any                       |
| 4        | of the following costs related to a waterway system:                                               |
| · 5      | (a) Costs for site preparation, grading, shaping and filling.                                      |
| 6        | (b) Costs to establish permanent vegetative cover, or to provide temporary cover                   |
| 7        | until permanent cover is established. This may include costs for mulch, fertilizer and             |
| 8        | other necessary materials.                                                                         |
| 9        | (c) Costs for the necessary removal of obstructions, the necessary installation of                 |
| 10       | subsurface drains and underground outlets, and the necessary installation of machinery             |
| 11       | crossings.                                                                                         |
| 12       | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                              |
| 13       | ATCP 50.40 may not reimburse costs for a waterway system unless all of the following               |
| 14<br>15 | conditions are met:  (a) Waterways are permanently covered by vegetation or other suitable surface |
| 16       | materials to prevent erosion. Close-sown small grains, annual grasses or mulches may be            |
| 17       | used for temporary protection if followed by an appropriate permanent vegetative cover.            |
| 18       | (b) The system complies with all of the following that apply:                                      |
| 19       | 1. NRCS technical guide critical area planting standard 342.                                       |
| 20       | 2. NRCS technical guide fencing standard 382.                                                      |
| 21       | 3. NRCS technical guide grassed waterway standard 412.                                             |
| 22       | 4. NRCS technical guide mulching standard 484.                                                     |
| 23       | 5. NRCS technical guide obstruction removal standard 500                                           |

6. NRCS technical guide subsurface drain standard 606. 1 7. NRCS technical guide underground outlet standard 620. 2 (c) The landowner agrees to maintain the waterway system for 10 years unless 3 farming operations on the affected land are discontinued. 4 ATCP 50.97 Well decommissioning. (1) DEFINITION. In this section, "well 5 decommissioning" means permanently disabling and sealing a well to prevent 6 contaminants from reaching groundwater. 7 (2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse 8 costs to design and implement a well decommissioning, including costs to fill the well, 9 seal the well, and shape the land to protect the abandoned wellhead from precipitation 10 and runoff. 11 (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s. 12 ATCP 50.40 may not reimburse the cost of well decommissioning unless the well 13 decommissioning complies with all of the following that apply: 14 (a) NRCS technical guide well decommissioning standard 351. 15 (b) Section NR 812.26, related to well and drillhole decommissioning. 16 ATCP 50.98 Wetland development or restoration. (1) DEFINITION. In this 17 section, "wetland development or restoration" means the construction of berms, or the 18 destruction of tile line or drainage ditch functions, to create or restore conditions suitable 19 for wetland vegetation. 20

(a) Costs for earth moving to construct or remove berms, levees or dikes.

of the following costs related to the development or restoration of wetlands:

(2) ELIGIBLE COSTS. A cost-share grant under s. ATCP 50.40 may reimburse any

21

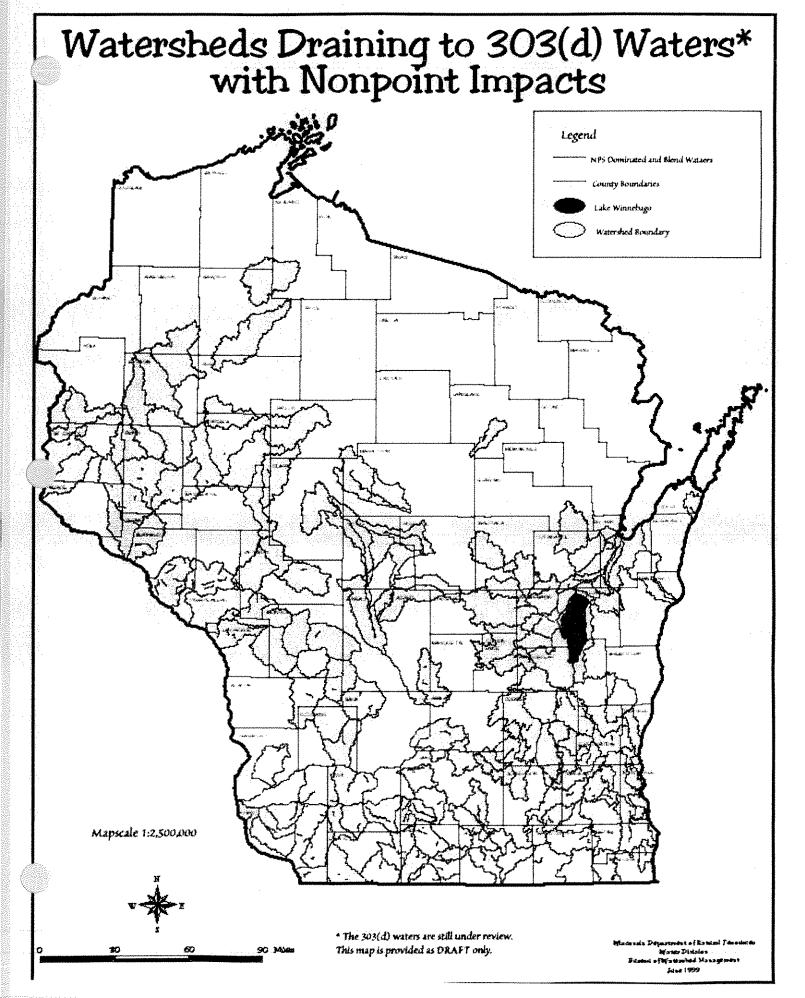
22

| 1        | (b) Costs for earth moving to fill in portions of drainage ditches.                        |
|----------|--------------------------------------------------------------------------------------------|
| 2        | (c) Costs to destroy portions of tile lines.                                               |
| 3        | (d) Costs to establish vegetative cover to develop or restore wetlands, consistent         |
| 4        | with the practice goals.                                                                   |
| 5        | (3) DESIGN, CONSTRUCTION AND MAINTENANCE. A cost-share grant under s.                      |
| 6        | ATCP 50.40 may not reimburse wetland development or restoration costs unless all of        |
| 7        | the following conditions are met:                                                          |
| 8        | (a) The wetland development or restoration complies with NRCS technical guide              |
| 9        | wetland restoration standard 657.                                                          |
| 10       | (b) The landowner agrees to maintain the wetland restoration practice for at least         |
| 11       | 10 years.                                                                                  |
| 12       | EFFECTIVE DATE. Except as otherwise provided in this rule, this rule shall take            |
| 13       | effect on the first day of the month following publication in the Wisconsin administrative |
| 14<br>15 | register, as provided under s. 227.22(2)(intro.), Stats.                                   |
| 16       | Dated this,                                                                                |
| 17       |                                                                                            |
| 18       | STATE OF WISCONSIN                                                                         |
| 19       | DEPARTMENT OF AGRICULTURE,                                                                 |
| 20       | TRADE AND CONSUMER PROTECTION                                                              |
| 21       |                                                                                            |
| 22       |                                                                                            |
| 23       | By                                                                                         |
| 24       | James E. Harsdorf                                                                          |
| 25       | Secretary                                                                                  |
| 26       | ·                                                                                          |
| 27       |                                                                                            |
| 28       |                                                                                            |

#### Appendix A

Watersheds draining to impaired waters ("303(d) list")

Wisconsin Department of Natural Resources



#### Appendix B

Summary of UWEX soil test recommendations (for selected crops)

Nutrient and Pest Management Program, University of Wisconsin-Extension

(P)

# Manure info.



|                                                        | N N N N N N N N N N N N N N N N N N N | - 47    | P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O | FAS      |
|--------------------------------------------------------|---------------------------------------|---------|------------------------------------------------|----------|
| Solid (fb/ton)<br>Liquid (fb/1000 gal)                 | 3111<br>8 [3] 4 [1]<br>8 [3] 10 [3]   | 3 3 3 3 | 21(3)                                          | ST       |
| Beef manure<br>Solid (lb/ton)<br>Liquid (lb/1000 gal)  | 4 (1) 4 (2)<br>10 (4) (2 (4)          | 14 [2]  | 23 (3)                                         | FACT     |
| Swine manure<br>Solid (lb/ton)<br>Liquid (lb/1000 gel) | 4 [1] 5 [1] 22 [6] 28 [5]             | 5 3 3   | 7 [1]<br>26 [3]                                | S        |
| Poultry manure<br>Solid (lb/ton)                       | 13(2)                                 | 14 [2]  | = = =                                          | Nutrient |

### Manure output

| tons/year       | 21.9<br>13.7<br>2.4<br>0.038      |  |
|-----------------|-----------------------------------|--|
| lb/day          | 25<br>25<br>25<br>25<br>27        |  |
| <br>ind size    | (1250 lb)<br>(200 lb)<br>(4 lb)   |  |
| Animal and size | Dairy<br>Beef<br>Swine<br>Poultry |  |
|                 |                                   |  |

# Determining manure application rate:

| Step t:    | Figure load size:                    |                     |
|------------|--------------------------------------|---------------------|
| Weigh s    |                                      | Solid or semi-solid |
| 90% tar    | 90% tank capacity in gallons         | Liquid              |
| Stop 2:    | stop 2: Determine field acreage:     | 9                   |
| field leng | field length (ft) x field width (ft) | 1                   |
|            | 43,560 ft <sup>2</sup> /a            | 60 CG               |

| stop of the cutated manufactured to rate | - tone or deligne            | 2            |
|------------------------------------------|------------------------------|--------------|
| -                                        | . 7                          |              |
| ŭ                                        |                              |              |
| 5                                        |                              |              |
| = 1                                      |                              |              |
|                                          | 72                           |              |
| = :                                      | 10                           | 10           |
| 8                                        | 75                           | fold acreage |
| 2                                        | - 01                         | 100 I        |
| Ž.,                                      | -32                          | ₩.           |
| 3                                        | ~                            | 100          |
| 7                                        | -                            | -22          |
| ١,                                       | \$                           | 16           |
|                                          | - 2                          | 4            |
| - 1                                      | 0                            | i            |
| · .                                      | [(# of loads) x (load size)] |              |
| 3                                        | 0                            |              |
| ů.                                       | 31:                          |              |
| ak .                                     |                              |              |
|                                          |                              |              |

# Guideline for unincorporated manure:

| Liquid<br>(gallons)                  | Ç                  | 3               | 2000       | 8          | 8        |
|--------------------------------------|--------------------|-----------------|------------|------------|----------|
| Solid Liquid<br>tons) (gallons       | 0000               | <b>1</b>        | 14 50      | 25 5000    | S        |
| Solid<br>(tons)                      | ×                  | <i>y</i>        | -          | -di        | 9        |
|                                      | -                  | 2               | Bee        | Swine      | Poult    |
| / more                               | anure              | ts              | \$ 13      |            |          |
| Do not apply more<br>than 25 tons of | solid dairy manure | per acre or its | phosphorus | equivalent | ber year |
| O B                                  | 8                  | ě               | Ť.         | 3          | ē        |

### NUTRIENT MANAGEMEN

## Harvest info.

Fertilizer analysis

82-0-0 34-0-0 46-0-0 28-0-0 32-0-0 21-0-0-24(\$)

UAN solution - 28 and 32%

Anhydrous ammonia Ammonium nitrate

Aqueous ammonia Ammonium sulfate (AMS)

Phosphorus

N.P.K

# Nutrients removed by crop at harvest

|                                                                                 | oʻ.               | ×,               | NIL  |
|---------------------------------------------------------------------------------|-------------------|------------------|------|
|                                                                                 | ARRE              | eparaximate ib   | S31  |
| Alfaita" / red clover, 1 ton/a                                                  | 13                | 90               | 310  |
| Barley', 50 bu/a                                                                | <b>6</b> ‡        | 13               | s    |
| Com                                                                             |                   |                  | HC.  |
| Grain (1 bu = 56 lb @ 15.5% moisture)                                           |                   | 1                | ):   |
| 90-110 bu/a                                                                     | 40                | 25               | 31   |
| 110-130 bu/a                                                                    | 45                | 30               | UT   |
| 130 - 150 bu/a                                                                  | 55                | 32               | 11.5 |
| 150 - 170 bu/a                                                                  | 90                | 40               | 88   |
| Silage, 1 ton/a                                                                 | 3                 | # 11 ·           | ns   |
| O#t\$!                                                                          |                   |                  | ٧    |
| Grain, 100 bu/a (1 bu = 32 lb @ 13% moisture                                    | isture) 25        | 13               | 1.0  |
| Straw, 1 tor/a                                                                  | ur)               | 30               | 'n   |
| Potatoes, 100 cw//a                                                             | 5                 | 58               | SI   |
| Sorghum', 1 ton/a                                                               | ť.                | 88               | 3.   |
| Soybean, 40 bu/a (1 bu = 60 lb @ 13% moisture)                                  | toisture) 35      | Ş                | 181  |
| Wheat                                                                           |                   |                  | 11   |
| Grain, 50 bu/a (1 bu = 60 lb @ 13% moisture)                                    | sture) 31         | . 19             | SII  |
| Straw, 1 torva                                                                  | ຕ                 | 9                |      |
|                                                                                 | ÷                 |                  | ĐĐ.  |
| "Witrogen removal by alfalfa (tton) is 60 ib and by scybeans (40 bu) is 115 ib. | d by soybeans (40 | 5 5u) is 115 lb. | usn  |

### Converting pounds harvested to bushels with % moisture content corrections:

### Shelled Corn

[be harvested x (1 - % moisture in corn)] + 47.32 = bu @ 15.5% moisture

#### Ear com

28 27 82 83.4 716 72.8 74.1 75.4 76.6 78.0 78.4 80.7 equation # 68.1 68.5 16 17

be harvested + number from chart below = bu @ 15.5% moisture

### Soybeans or wheat

[adjusted lbs  $\times$  (1 - % moisture)] + 52.2 = bu soybeans \$ 13% moisture bu wheat \$ 0% moisture the harvested x (1-% foreign matter) = adjusted the harvested

### Calculating acres harvested:

dth(ft) x # of rows harvested] + 43,560 ft<sup>3</sup>/acre

| 5<br>81 - 1 - 18 | Calculating acres harvested:                                                                                                                      |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 20. 10. 200 4.0  | acres harvested =<br>[row length(ft) x row width(ft) x # of rows harvested] + 45560 ft/                                                           |
|                  | Example with corri harvested by combine :<br>Step 1: 12,580 bs com harvested @ 21,35% moisture<br>12,580 bs % (1 - 2/35) + 47,32 = 20.9 bs of com |
| i i              | # 10.5 % modeline  Step 2. Four-row harvester: 16 rows . each 30 inch row is 1210 feet 1  30 inches = 2,5 feet  100 feet 5 feet                   |
|                  | Step 5: 209 bu of corn + 110 acres = 190 bullacre                                                                                                 |

ister 16 rows , each 30 inch row is 1210 feet long

### 1 gallon water weighs 8.3 lbs to be 19.6 lbs 19. 0-0-22-22(S)-11(Mg) 13-0-44

0-0-50-18(S) 0-0-60 to 62

Potassium chloride (muriate of potash) Potassium suifate Potassium-magnesium

10-34-0

Ammonium polyphosphate

Potassium

Monoammonium phosphate (MAP) Ammonium polyphosphate (TSP) (TSP)

## Conversions

| to det column 3 | square feet (H2) | hectare (ha) | acres (a)        | cubic feet (ff²) | gallons (gal)    | cubic feet (fP) | gallons - dry | pindil suglied | milliters (mi) | liters (i)   | fluid ounces (fl oz) | quari (qt)   | cubic feet (ff²) | gallons (gal) | feet (ft)  | rods (r)   | feet (ft) | feet (ft) | (ql) spunod | portuge (Ib) | liters/hectare (l/ha) | teet/minute (fi/min) | kilograms/hectare (kg | €         | × (8)    | lb/acre (lb/a)        | Injacra (Ibja)       |
|-----------------|------------------|--------------|------------------|------------------|------------------|-----------------|---------------|----------------|----------------|--------------|----------------------|--------------|------------------|---------------|------------|------------|-----------|-----------|-------------|--------------|-----------------------|----------------------|-----------------------|-----------|----------|-----------------------|----------------------|
| Column 2        | 43,560           | 0.405        | 640              | 27               | 7.48             | 1.244           | ₩             | 6.31           | 29.6           | 3.78         | 128                  | 4            | 43,560           | 325,851       | 98         | .4         | 16.5      | 5280      | 2,000       | 2,230        | 9.354                 | 88                   |                       | 0.44      | 0.83     | 8                     | 7                    |
| take confirm 1  | acre (a)         | acre (a)     | square mile (mr) | cubic yard (yd²) | cubic feet (ff²) | bushel (bu)     | bushel (bu)   | bushel (bu)    | Ounces (oz)    | gallon (gal) | gallon (gal)         | gallon (gal) | acre-too!        | Bcre-foot     | chain (ch) | chain (ch) | (u) spor  | mile (mi) | ton (short) | ton (long)   | gallons/acre (gal/a)  | miles/hour (mph)     | pounds/acre (lb/a)    | P,O, (Ib) | K,O (16) | ppm-plow layer (6 in) | com-too soil (12 in) |

To get column 1, divide column 3 by column 2

| (2) COLD recommendations           | Soli (exture ), Sands or loamly sands   Soli (exture ), Non-rigidad Intoges   Loam   L.B. S. C. R. R. C. F. N. 120   120   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130   130 | 120 80 80 80 80 80 80 80 80 80 80 80 80 80                           | Grain should be the more of the field soil test level of the field Ex (buts) Low Low munin High High Light 1.55 JACRE OF P. O. 10 APPLY                                                          | 50-70°<br>50-80°<br>51-65-85°<br>52-75-95°<br>60-100°<br>30-90-110°<br>35-95-115° | (88/ACRE OF K.O TO APS<br>71-90 50-80- 40-88- 25 15<br>91-110 55-85- 45-70- 30 15<br>111-130 60-90- 50-75- 35 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 65.95** 55-80**<br>70*100** 60-85**<br>75-105** 65-90**<br>80-110** 70-95**                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | . Use inver values on saidy of departs suits Use inver values on saidy of departs suits | Yeld goal Soll test level of the fleid (const) Very Ex. (const) Low Low mum High High High High High A R R OF P.O. TO A PPLY                                                         | Te < 16 80-110° 70-90° 50 25 ·· 0  The first of the firs | (8.5) A CRE OF K, O TO APPLY (10.5) B C C C C C C C C C C C C C C C C C C |                                                                                         | 5. Conservation tillage sufface increase N requirement for conservation tillage by 30 ib Niscre for the first two years. | High P solis                        | Sandy soils Nahouid be applied as single sidedress applications. |
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| ( Alfalfa nurrient recommendations | Soli test level of the field Very (cords)  Low Low mum High High High High High High High High                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>*</b>                                                             | 15-25 135-160** 125-136** 100 50 25 0 25-35 185-200** 175-185** 150 75 40 0 35-36** 255-235** 250 100 50 0 0 35-365** 250 250 125 60 0 0 35-365** 250 125 60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Very<br>Legume Forege                                                             | Apply 30 ib Natice in the security year in grown as the page of th | Nurse Crops Where bailey or cats are seeded with legume c (oragination of contract of cont | Exceptions                                                                              | An 70% aikidite or mote than 4 plantactor) Reduce credit by 50 1b Macre or sands and loamy sands.                                                                                    | for poor stand (less than 30% affells or less than 13 plantally) less than 8 inches of regrowth after test harvest regards to similar stands.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | r stand. No credit on sands and loamy sands.                              | Use 20 ib Niacre credit if field<br>has less than 6 inchès of growth<br>before tillage. |                                                                                                                          | No credit on sands and loamy sands. |                                                                  |
| Soybean nutrient                   | Yeid goal  (bula) Very Opti Very E. Low mum High High Light Low Low To P. O. TO APPLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30 20 35 25 45 35 25 45 55 66 55 25 25 25 25 25 25 25 25 25 25 25 25 | 70 60 30 76-85 80 80 70 35 76-85 80 80 70 70 35 76-85 80 80 70 70 80 80 80 80 80 80 80 80 80 80 80 80 80                                                                                         | 16:25 66.75 35-30 20 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                            | Vary high category does not arist for tool lists prosphorus  Use lovest veigues on sandy or organic soils                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (2) Legume N credits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Legume crop Nitrogen credit                                                             | Forages First Year Credit 199 to Nincre for good stand (most than 10% altable or most flank to the stand on 198 altable or most flank to the stand (no 198 altable or 15.4 plankint) | Red Clover & 80% of alfalfe credit for similar stands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                           | Green manures Sweet clover 80-120 lb Niacre Airalfa 60-100 lb Niacre                    | Red clover 50-80 tb Macre                                                                                                | Soybeans 40 tb Nacre                | Vegetable Crops Peas, snap beans & Ilma beans                    |

#### Appendix C

Nutrient management plan checklist

To assist in following Wisconsin's nutrient management standard

#### 02/09/01

#### NUTRIENT MANAGEMENT PLAN CHECKLIST

For Following Wisconsin's NRCS 590 Nutrient Management Standard

| lan Submitted:                                                                                     | Gro                                                                                                                                                                                                                                                                                                                                                                                                                              | wing seas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      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| I                                                                                                  | Planner's business name, address, phone:                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| p Specialist,<br>ATCP approved                                                                     | Cropland Acres                                                                                                                                                                                                                                                                                                                                                                                                                   | Circle rel<br>County o                                                                                                                                                                                                                                                                                                                                                                                                                                                                         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| undaries and field<br>estrictions are iden                                                         | ID numbers?                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| tent with the plan?                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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| an approved lab?<br>in the last four yea<br>is per sample?<br>spond with the NN<br>2O5 & K2O recor | rs?  1 plan field II nmendations)                                                                                                                                                                                                                                                                                                                                                                                                | )?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             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| products less than                                                                                 | or equal to "                                                                                                                                                                                                                                                                                                                                                                                                                    | r"?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Conservation staff will determine based on conservation plan on file. Farmer & the consultant may require a new assessment if rotations and tillage have changed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              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| t, confinement, conction and amount of spond to the manu                                           | nsistency<br>collected<br>re used?                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                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|                                                                                                    | p Specialist, ATCP approved ATCP  undaries and field estrictions are ider  tent with the plan?  y require hard cop an approved lab? in the last four yea is per sample? spond with the NN 2O5 & K2O recor s for each field bee field nutrient recor crop grown are inc indicated? indicated? ireading sites are in indicated? /products less than  quantity and spreat, confinement, con ction and amount of spond to the manual | Planner's business  Cropland Acres  Cropland Acres  Cropland Acres  Cropland Acres  Cropland Acres  and field ID numbers?  estrictions are identified?  Itent with the plan?  Ity require hard copy with NM plan an approved lab?  In the last four years?  Is per sample?  Is pond with the NM plan field ID 205 & K20 recommendations;  Is for each field been identified?  Indicated?  Indicated? | Planner's business name, add  Cropland Acres  Paperoved ATCP approved ATCP  undaries and field ID numbers? estrictions are identified?  tent with the plan?  ty require hard copy with NM plan) an approved lab? in the last four years? spen sample? spond with the NM plan field ID? 205 & K2O recommendations)? s for each field been identified?  field nutrient recommendations crop grown are indicated? indicated? indicated? indicated? irreading sites are indicated? indicated? irreading sites are indicated? indicated? irreading sites are indicated? irreading sites are indicated? indicated? irreading sites are indicated? | Planner's business name, address, phone:  Cropland Acres Planner's business name, address, phone:  Cropland Acres Circle relevant program or ordinance, DNR watershe NR-243 - WPDES Provided By  Conservation staff  Conservation staff  Conservation staff  Conservation staff  Conservation staff  Conservation staff  Farmer and Consultant  in the last four years?  is per sample?  spond with the NM plan field ID?  205 & K2O recommendations?  for each field been identified?  field nutrient recommendations crop grown are indicated?  indicated?  reading sites are indicated?  indicated?  reading sites are indicated?  for conservation staff will determine based on conservation plan on file. Farmer & the consultant may require a new assessment if rotations and tillage have changed  requantity and spreader capacity:  t, confinement, consistency cition and amount collected spond to the manure used? | Planner's business name, address, phone:  Planner's business name, address, phone:  Cropland Acres  Name of farmer receiving nutrient manage of the program of ordinance: County ordinance, DNR watershed, USD NR-243 - WPDES  Provided By  Loca Yes  Loca Loca In L | Planner's business name, address, phone:  Cropland Acres  Planner's business name, address, phone:  Circle relevant program or ordinance: Country ordinance, DNR watershed, USDA, DAT NR-243 - WPDES  Provided By  Location in Yes No  Conservation staff a. a. a. b. b. b.  Conservation staff a. a. a. b. b. b.  Conservation staff a. a. a. c. c. c. c. c. c. c. spond with the NM plan field ID? 205 & K2O recommendations; s for each field been identified?  field nutrient recommendations crop grown are indicated? indicated? indicated? indicated? indicated? indicated? creading sites are indi |  |  |  |