

CHAPTER 12  
WATER PROTECTION PRACTICES—WATER PROTECTION FUND

**27—12.1 to 12.9** Reserved.

PART 1

**27—12.10(161C) Authority and scope.** This chapter establishes procedures and standards to be followed by soil and water conservation districts and the division of soil conservation of the Iowa department of agriculture and land stewardship, in accordance with the policies of the state soil conservation committee in implementing water protection practices through the water protection fund created in Iowa Code section 161C.4, unnumbered paragraph 1, and subsection 2. This account shall be used to establish water protection practices with individual landowners including, but not limited to, woodland establishment and protection, establishment of native grasses and forbs, sinkhole management, agricultural drainage well management, streambank stabilization, grass waterway establishment, stream buffer strip establishment, and erosion control structure construction. Twenty-five percent of funds appropriated to the water protection practices account plus any additional appropriations for reforestation shall be used for woodland establishment and protection and establishment of native grasses and forbs.

**27—12.11(161C) Rules are severable.** If any provision of a rule or subrule or the application thereof to any person or circumstance is held invalid, the invalidity does not affect other provisions or applications of the rule or subrule which can be given effect without invalid provision or application, and to this end the provisions of these rules or subrules are severable.

**27—12.12 to 12.19** Reserved.

PART 2

**27—12.20(161C) Definition of terms.** In addition to the term defined herein, definitions in rule 27—10.20(161A) shall apply.

“*Agricultural production*” means the commercial production of food or fiber.

**27—12.21 to 12.29** Reserved.

PART 3

**27—12.30(161C) Compliance, refund, reviews and appeals.** Rule 27—10.30(161A) shall apply.

**27—12.31 to 12.39** Reserved.

PART 4

**27—12.40(161C) Appropriations.** Resource enhancement and protection program, soil and water enhancement account funds are allocated to the water protection fund. Each year’s allocation of water protection funds is divided equally between the water quality protection account and the water protection practices account until the water quality protection account has received \$1 million. The balance of funds is deposited in the water protection practices account.

**27—12.41 to 12.49** Reserved.

## PART 5

**27—12.50(161C) Water protection practices account.** This part defines procedures for allocation, recall and reallocation of water protection practices funds to soil and water conservation districts and to the division's reserve fund. These funds shall not be used alone or in combination with other public funds to provide a financial incentive payment greater than 75 percent of the approved cost for practices listed in 12.84(161C), or 50 percent in 12.77(1), 12.77(2) and 12.77(3).

**27—12.51(161C) Allocation to soil and water conservation districts.**

**12.51(1) Original allocation.** July 1 of each year, funds appropriated to the water protection practices account will be allocated to districts. Seventy-two percent of the funds will be divided equally among 100 soil and water conservation districts. Twenty-five percent of the funds plus any additional appropriations for reforestation will be kept in a separate account for woodland establishment and protection, and establishment of native grasses and forbs. Three percent will be held in a reserve fund.

**12.51(2) Recall of funds.** Any funds allocated to the districts that have not been obligated in 12 months and any funds that were obligated for projects for which construction has not been started during that time period will be recalled by the division.

**12.51(3) Reallocation of recalled funds.** Funds recalled by the division will be added to the next fiscal year's appropriation and allocated to districts subject to the terms of the original allocation, subrule 12.51(1).

**12.51(4) Woodland, native grass and forbs fund.** Twenty-five percent of the funds, any additional appropriations for reforestation, and recalled funds will be allocated to districts.

*a. Original allocation.* Seventy-five percent of the funds distributed to this program will be allocated equally to districts at the beginning of each fiscal year.

*b. Supplemental allocation.* The remaining balance of the funds will be provided to the districts in a supplemental allocation. The districts shall submit their requests identifying valid applications and cost estimates for supplemental allocations to the division by October 15. The allocation to any district will be the lesser amount of:

(1) The amount of remaining available funds divided by the number of districts applying for a supplemental allocation.

(2) The amount requested.

*c. Recall of funds.* Any funds allocated to the districts that have not been obligated in 11 months and any funds that were obligated for projects for which construction has not been started during that time period will be recalled by the division.

*d. Reallocation of recalled funds.* Funds recalled by the division will be added to the next fiscal year's appropriation and allocated to districts subject to the terms of the original allocation, subrule 12.51(4).

*e. Eligibility of soil and water conservation districts for supplemental allocation.* For a district to qualify for a supplemental allocation, it must meet the following requirement: 90 percent of the woodland, native grass and forbs funds shall be obligated to landowners.

**12.51(5) Reserve funds.** The division shall administer a reserve fund for the program consisting of 3 percent of each year's appropriated funds.

*a. Purpose and use of the reserve fund.* The reserve fund will be set aside and used only to fund contingencies that occur in the application of practices in the districts.

*b. On June 30 each year the division will transfer the unspent reserve fund balance into the water protection practices account to be allocated to districts under subrule 12.51(1).*

**27—12.52 to 12.59** Reserved.

## PART 6

**27—12.60(161C) Applications and agreements.** The purpose of this part is to identify and define procedures to be followed in applying for and entering agreements for receiving water protection practices funds.

**27—12.61(161C) Applications submitted to soil and water conservation district.** Landowners or farm operators desiring to be considered for water protection practices funds shall complete necessary applications as specified in this part. Application and agreement forms referenced in this chapter are those described in rule 27—10.95(161A,312). All application forms and agreements for water protection practices funds are available from and shall be submitted to the district office located in the county where such practices are proposed. If an applicant's land is in more than one district, the respective district commissioners will review the application and agree to obligate all funds from one district or prorate the funding between districts.

**27—12.62(161C) Application sign-up.**

**12.62(1) Signatures by landowner(s) and qualified farm operator(s).** All applications and agreements shall be signed by the landowner. For a farm operator to qualify for payment, both landowner and operator must sign the application.

**12.62(2) Land being bought under contract.** All applications and agreements concerning land being purchased under contract shall be signed by both the contract seller and the contract buyer. If the operator is applying, the contract buyer, the contract seller, and the operator must sign.

**12.62(3) Power of attorney.** Applications and agreements may be signed by any person designated to represent the landowner or farm operator, provided the appropriate power of attorney has been filed with the district office. The power of attorney requirement can be met by submitting a completed Power of Attorney, Form SCD-2, or other properly notarized full power of attorney statement to the district office. In the case of estates and trusts, court documents designating the responsible person or administrator may be submitted to the district in lieu of the power of attorney.

**27—12.63(161C) Eligibility for financial incentives.**

**12.63(1) District cooperator.** Financial incentives will not be available for land not covered under a cooperator agreement. Application for district cooperator shall be made by submitting a completed Cooperator Agreement, Form SCD-1, to the district office. The district shall approve or deny the application and notify the applicant of the action within 60 days of receipt of the completed cooperator agreement.

**12.63(2) Practices installed on adjoining public lands.** Where water protection practices which benefit adjoining private lands are installed on public lands and costs of the installation are to be shared by the parties, state water protection practices funds may be used to cost-share only the landowner cost of the water protection practice.

**12.63(3) Ineligible lands.**

*a.* Water protection practices funds shall not be used to reimburse other units of government for implementing soil and water conservation practices.

*b.* Privately owned land not used for agricultural production shall not qualify for water protection practices funds.

**12.63(4) District priorities.** Each application for water protection practices shall be evaluated under the priority system adopted by the district for disbursement of allocated funds. Soil and water conservation district commissioners shall give priority to applications for practices that implement their soil and water resource conservation plan. The priority system adopted by the district shall be made available for review at the district office.

**27—12.64 to 12.69** Reserved.

PART 7

**27—12.70(161C) Water protection practices.** The purpose of this part is to establish the general conditions, eligible practices, specifications, and cost-share rates for the installation of water protection practices authorized in Iowa Code chapter 161C.

**27—12.71(161C) General conditions.** The following general conditions shall be met.

**12.71(1) Technician certification.** The designated water protection practices shall not be funded unless the technician has inspected the site and has determined that such practice(s) is needed to protect water quality.

**12.71(2) Limitation of reimbursable cost of practices.** Overbuilding or other practice modifications which exceed the minimum requirements of the specification shall be permitted, if approved by the technician. Any additional costs resulting from such overbuilding or exceeding of the minimum specifications shall not be cost shared by the state.

**12.71(3) Materials.** Projects funded with water protection funds will utilize only new materials or used materials that meet or exceed design standards and have a life expectancy of 20 years.

**12.71(4) Repair or maintenance.** Repair or maintenance of existing practices is not eligible for funding.

**27—12.72(161C) Eligible practices.** Practices listed in this rule are eligible for water protection practices fund reimbursement.

**12.72(1) Critical area planting.** Establishment of vegetative planting to control sediment movement from severely eroding areas by stabilizing the soil. These plantings would include vegetation such as trees, shrubs, vines, grasses or legumes.

**12.72(2) Strip-cropping (wind).** A strip of tall growing perennial vegetation within or adjacent to a field to reduce sediment damage and soil depletion caused by wind.

**12.72(3) Field border.** A strip of perennial vegetation established at the edge of a field, to be used as a turn area in lieu of end-rows up and down hill to control erosion and provide wildlife food and cover.

**12.72(4) Filter strips.** A strip or area of vegetation for removing sediment, organic matter and other pollutants from runoff.

**12.72(5) Strip-cropping, contour.** Growing crops in a systematic arrangement of strips or bands on the contour to reduce water and wind erosion. The crops are arranged so that a strip of grass or close-growing crop is alternated with a strip of clean-tilled crop or fallow or a strip of grass is alternated with a close-growing crop.

**12.72(6) Pasture and hayland planting.** The establishment of long-term stands of adapted species of perennial forage plants, to control excessive water erosion, by converting land from row crop production to permanent vegetative cover.

**27—12.73(161C) Eligible practices for priority water resource protection.** Practices listed in this rule are eligible for water protection practice fund reimbursement only in those areas or instances approved in rule 27—12.75(161C).

**12.73(1) Grassed waterway.** A natural or constructed waterway or outlet, shaped and graded, on which suitable vegetation is established to conduct excess surface runoff water from terraces, diversions or natural watershed basins.

**12.73(2) Grade stabilization structure.** An earthen dam or embankment with a mechanical outlet (pipe conduit, drop spillway or chute outlet, etc.) to stabilize the flowline grade or control head cutting in a natural or constructed channel.

**12.73(3) Terrace.** An earthen barrier or embankment constructed across the field slope using a combination of a ridge and channel to reduce field erosion and trap sediment. Types of terraces commonly referred to as broad based, narrow based, grassed backslope, basin, level, gradient and parallel are eligible for water protection practice fund reimbursement.

**12.73(4) Water and sediment control basin.** A short earthen embankment with an underground outlet, constructed across the slope in minor water courses to reduce erosion and trap sediment.

**12.73(5) Diversion.** A channel with a supporting ridge on the lower side constructed across the slope to conduct excess runoff water to a suitable outlet.

**12.73(6) Animal waste management system.** A planned system to correct existing animal waste management problems in which all necessary components are installed for managing liquid and solid waste, including runoff from concentrated waste areas from an existing animal feeding operation, in a manner that does not degrade soil or water resources.

Cost-sharing under this practice is not authorized for:

- a. Portable pumps and pumping equipment.
- b. Waste disposal equipment.
- c. Building, modification of a building, that portion of the animal waste structure that serves as part of the building, or its foundation.
- d. That portion of the cost of animal waste control structures attributed to expansion of an animal waste management system.

**27—12.74(161C) Agricultural drainage well closure.** Practices listed in this rule are eligible for water protection practice fund reimbursement where installation of the practice is consistent with current drainage law of the state of Iowa. This practice is intended to assist in the voluntary closure of agricultural drainage wells registered with the department of natural resources prior to September 30, 1988. It is not intended to be a substitute for future agricultural drainage well assistance programs authorized in Iowa Code section 159.29 that will be developed in conjunction with the Iowa department of agriculture and land stewardship's agricultural drainage well research and demonstration project.

**12.74(1) Eligible practices.**

a. Agricultural drainage well plugging and cistern removal.

b. Tile outlet from plugged agricultural drainage well to a suitable, legal outlet.

**12.74(2) Implementation of practice.** This practice shall not be used to provide outlet(s) for previously undrained wetland(s) as defined and classified under state or federal law.

**12.74(3) Outlets with excess capacity.** Tile outlets which exceed the minimum capacity required to provide one-half inch drainage coefficient to the area originally served by the drainage well shall be permitted, if approved by the technician. Any additional cost resulting from providing such excess capacity shall not be cost-shared by the state.

**27—12.75(161C) Priority watersheds and water quality problems.** Practices listed in rule 27—12.73(161C) will be eligible for landowner reimbursement from water protection practices funds only for watersheds and water quality problems designated by soil and water conservation district commissioners and approved by the state soil conservation committee.

**12.75(1) District designation.** Districts shall submit to the division the description of high priority watershed(s) or water quality problems within their district to be designated as eligible for practices listed in rule 27—12.73(161C).

**12.75(2) State soil conservation committee evaluation.** The state soil conservation committee shall examine the district submission under 12.75(1) with respect to the following criteria.

- a. The public value and current use of the water resource to be protected.
- b. The nature, extent and severity of the water quality problem to be addressed.
- c. The degree to which the district designation focuses practice application in a manner that will achieve a water quality benefit from the funds available.

**12.75(3) Review time limit.** The state soil conservation committee shall approve or disapprove the district designation within 90 days of receipt by the division.

**12.75(4) Disapproval of designation.** In the event of disapproval of district designation, the state soil conservation committee shall inform the district of the reason for disapproval.

**27—12.76(161C) Specifications.** In addition to specifications defined herein, rule 27—10.84(161A) specifications shall apply.

**12.76(1) Filter strips.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 393, January 1988.

**12.76(2) Field borders.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 386, July 1988.

**12.76(3) Waste management systems.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 312, January 1997.

**12.76(4) Agricultural drainage well closure.** Iowa Department of Natural Resources, Technical Information Series 15, 1988, Guidelines for Plugging Abandoned Water Wells.

**12.76(5) Agricultural drainage well plugging and cistern removal.** Iowa Department of Natural Resources, Technical Information Series 15, 1988, Guidelines for Plugging Abandoned Water Wells.

**12.76(6) Tile outlet from plugged agricultural drainage wells.** Underground Outlet, USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 620, March 1991.

**12.76(7) Subsurface drain.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 606, February 1986.

**27—12.77(161C) Cost-share rates.** The following cost-share rates shall apply for eligible practices designated in rules 12.72(161C) to 12.74(161C).

**12.77(1) Cost-share rates.** Cost-share rates for practices designated in rule 12.72(161C) shall be 50 percent of the actual or estimated cost of installation, whichever is less, except for strip-cropping contour and field borders. Cost-share rates for 12.72(3), field borders, and 12.72(5), strip-cropping contour, shall be a one-time payment of 50 percent of the cost up to \$25 per acre.

**12.77(2) Cost-share rates for water protection practices.** Cost-share rates for practices designated in rule 12.73(161C) shall be 50 percent of the actual or estimated cost, whichever is less.

**12.77(3) Cost-share rates for agricultural drainage well closure.** Cost-share rates for practices designated in rule 12.74(161C) shall be the following:

- a. 50 percent of the actual or estimated cost, whichever is less, of agricultural drainage well plugging and cistern removal, not to exceed \$500.
- b. 50 percent of the actual or estimated cost, whichever is less, of establishing a tile outlet from the plugged agricultural drainage well to a suitable, legal outlet, not to exceed \$2000.

27—12.78 and 12.79 Reserved.

PART 8

**27—12.80(161C) Water protection practices—woodlands, native grasses and forbs.** The purpose of this part is to establish the general conditions, eligible practices, specifications and cost-share rates for the installation of woodlands, native grasses and forbs as authorized in Iowa Code chapter 161C.

**27—12.81(161C) General conditions.** The following general conditions shall be met.

**12.81(1) Practice need.** The designated practices shall not be funded unless the certifying technician has inspected the site and has determined that such practice(s) is needed.

**12.81(2) Forest management plan required.** A forest management plan approved by the forestry division of the department of natural resources is required for the practices of timber stand improvement, tree planting, site preparation for natural regeneration and rescue treatments.

**12.81(3) Eligibility of practices.** Planting or management of trees for nut orchards or Christmas tree production is only eligible as intermediate products in stands being established for other approved purposes. Planting or management of trees for ornamental purposes or fruit orchards is not eligible.

**27—12.82(161C) Eligible practices.** Land enrolled in the Conservation Reserve Program is only eligible for woodland establishment, management and protection practices. All practices listed in this part are available to all other eligible landowners within Iowa soil and water conservation districts. All practices listed below are permanent.

**12.82(1) Farmstead windbreaks.** A belt of trees or shrubs established or restored next to a farmstead.

**12.82(2) Field windbreak.** A belt of trees or shrubs established or restored, within or adjacent to a field.

**12.82(3) Timber stand improvement.** To increase the growth and quality of forest stands and improve wildlife habitat. Minimum eligible area is five acres.

**12.82(4) Tree planting.** To establish a stand of trees for timber production and environmental improvement. Minimum eligible area is three acres.

**12.82(5) Site preparation for natural regeneration.** To establish a stand of forest trees through natural regeneration for timber production and environmental improvement. Minimum eligible area is three acres.

**12.82(6) Riparian forest buffer.** To establish an area of trees or shrubs, or both, located adjacent to and up-gradient from water bodies.

**12.82(7) Rescue treatments.** To rescue plantations from conditions that would threaten the adequate survival or quality of the plantation if not controlled. Minimum eligible area is three acres.

**12.82(8) Planned grazing systems.** A practice in which two or more grazing units of native grasses are alternately rested and grazed in a planned sequence for a period of years, and rest periods may be throughout the year or during the growing season of key plants.

**12.82(9) Conservation cover.** Establishing and maintaining perennial vegetative cover on land.

**27—12.83(161C) Specifications.** These specifications and the general conditions shall be met in all cases. In each specification the listed USDA-Natural Resources Conservation Service specification in force on the date indicated in these rules or the Department of Natural Resources Forestry Technical Guide shall be used.

**12.83(1) Farmstead windbreak.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 380, April 1992.

**12.83(2) Field windbreak.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 392, February 1992.

**12.83(3) Timber stand improvement.** Department of Natural Resources Forestry Technical Guide.

**12.83(4) Tree planting.** Department of Natural Resources Forestry Technical Guide.

**12.83(5) Site preparation natural regeneration.** Department of Natural Resources Forestry Technical Guide.

**12.83(6) Riparian forest buffer.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 392, Interim.

**12.83(7) Rescue treatment.** Department of Natural Resources Forestry Technical Guide.

**12.83(8) Planned grazing systems.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 556, November 1986.

**12.83(9) Conservation cover.** USDA-NRCS-Iowa, Field Office Technical Guide, Section IV, Code No. 327, March 1997.

**27—12.84(161C) Cost-share rates.** The following cost-share rates shall apply for eligible practices designated in rule 12.82(161C). The use of state cost-share funds alone or in combination with other public funds shall not exceed the limits established by these rules.

**12.84(1) Farmstead windbreaks.**

*a.* 75 percent of actual cost, not to exceed \$12 per tree and \$2.25 per shrub, to establish or restore farmstead windbreaks.

*b.* Actual cost, not to exceed \$8 per rod, for permanent fences, to protect planted area from grazing, excluding boundary and road fencing.

*c.* Total cost-share for establishment, restoration, and fencing for farmstead windbreaks shall not exceed \$700 per windbreak.

**12.84(2) Field windbreaks.**

*a.* 75 percent of actual cost, not to exceed \$365 per acre.

*b.* Actual cost, not to exceed the lesser of \$8 per rod or \$45 per acre protected, for permanent fences, to protect planted area from grazing, excluding boundary and road fencing.

**12.84(3) Timber stand improvement.**

*a.* 75 percent of actual cost, not to exceed \$75 per acre for thinning, pruning crop trees, or releasing seedlings or young trees.

*b.* Actual cost, not to exceed the lesser of \$8 per rod or \$45 per acre protected, for permanent fences, to protect planted area from grazing, excluding boundary and road fencing.

**12.84(4) Tree planting.**

*a.* 75 percent of the actual cost, not to exceed \$365 per acre, for tree planting including the following:

- (1) Establishing ground cover,
- (2) Trees and tree planting operations,
- (3) Weed and pest control,
- (4) Mowing, disking, and spraying.



- b. 75 percent of actual cost, not to exceed \$120 per acre for woody plant competition control.
- c. Actual cost, not to exceed the lesser of \$8 per rod or \$45 per acre protected, for permanent fences, to protect planted area from grazing, excluding boundary and road fencing.

**12.84(5) Site preparation for natural regeneration.**

- a. 75 percent of the actual cost, not to exceed \$120 per acre of site preparation.
- b. Actual cost, not to exceed the lesser of \$8 per rod or \$45 per acre protected, for permanent fences, to protect treated area from grazing, excluding boundary and road fencing.

**12.84(6) Riparian forest buffer.** 75 percent of actual cost or estimated cost, whichever is less.

**12.84(7) Rescue treatment.**

- a. 75 percent of the actual cost, not to exceed \$60 per acre to establish alternate cover for competition control.

b. A one-time payment of 75 percent of the actual cost, not to exceed \$15 per acre to control damaging rodent populations.

- c. 75 percent of actual cost, not to exceed \$365 per acre, for plantation replanting including the following:

- (1) Establishing ground cover,
- (2) Trees and tree planting,
- (3) Weed control.

d. \$2 per rod, not to exceed \$24 per acre, for temporary electric fencing to control deer browse damage.

**12.84(8) Planned grazing systems.** 75 percent of actual cost or estimated cost whichever is less. Does not include boundary fences or road fences. Fencing limited to \$8 per rod. Development of a water source is not eligible.

**12.84(9) Conservation cover.** 75 percent of actual cost or estimated cost, whichever is less.

**27—12.85(161C) Special practice and cost-share procedures eligibility.** Districts may submit requests to establish eligible practices, develop cost-share procedures, experiment with new conservation practices and explore new technologies with approval of the state soil conservation committee.

**12.85(1) District designation.** Districts shall submit to the SSCC the description of their intentions which could include:

- a. Type of practice.
- b. Cost-share rate.
- c. Resource to be protected.
- d. Estimated cost.
- e. Landowner interest.
- f. Technology to be addressed.

**12.85(2) State soil conservation committee evaluation.** The state soil conservation committee shall examine the district submission under 12.85(1) with respect to the following criteria.

- a. The public and current use of the resource to be protected.
- b. The nature, extent, and severity of the problem to be addressed.
- c. The degree to which the request focuses practice or technology application in a manner that will achieve a soil erosion or water quality benefit from the funds available.
- d. Whether a specification can be developed by NRCS or DNR for the new technology or practice.

**12.85(3) *Review time limit.*** The state soil conservation committee shall approve or disapprove the district designation within 90 days of receipt by the division.

**12.85(4) *Disapproval of designation.*** In the event of disapproval of district requests, the state soil conservation committee shall inform the district of the reason for disapproval.

This rule is intended to implement Iowa Code chapters 161A and 161C.

**27—12.86 to 12.89** Reserved.

PART 9

**27—12.90(161C,312) Reporting and accounting.** Reports will be prepared in the same manner as provided in rule 27—10.91(161A,312).

These rules are intended to implement Iowa Code chapters 161A and 161C, Iowa Code section 99E.34 and 1989 Iowa Acts, chapter 236.

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