

CHAPTER 21  
EROSION CONTROL / LAND DISTURBANCE

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21.01 AUTHORITY

- (1) This Ordinance is adopted under the authority granted pursuant to s. 62.23(7); 61.35, Wisconsin Stats.

21.02 FINDINGS AND PURPOSE.

- (1) Findings. The Village of Ferryville finds that runoff from land disturbance activities carry a significant amount of sediment and other pollutants to the waters and right-of-way of the Village, state, and private properties.
- (2) Purpose. It is the purpose of this Ordinance to protect Ferryville's unique natural resources by minimizing the amount of sediment carried by runoff or discharged from land disturbance activities to perennial waters, wetlands, private properties, and public right-of-ways.

21.03 APPLICABILITY.

- (1) This Ordinance applies to land disturbance activities on lands within the Village boundaries and extraterritorial jurisdiction of Ferryville. Permits granted under this Ordinance do not release the permittee, landowner or land user from other applicable federal, state or local regulations. The recipient of a permit agrees to indemnify and hold harmless the Village of Ferryville, its employees or designated agents from any cost, suit, liability or award which might be assessed due to the acceptance of a control plan or issuance of permits, or because of any adverse effect upon any person or property attributed to a project of the permittee.
- (2) Any land disturbance occurring on a 1 and 2 family dwelling site, prior to issuance of a building

permit under the UDC (Wisconsin Uniform Dwelling Code), shall be subject to the requirements of this Ordinance. Once a UDC building permit has been issued, the construction site shall be regulated according to Comm. 21.125 and relevant provisions of the Wisconsin Uniform Dwelling Code. This Ordinance shall apply to all 1 and 2 family dwellings after occupancy of the dwelling, or after the building inspector has preformed the final inspection.

- (3) The following sites shall comply with all of the requirements of this Chapter but shall be exempted from obtaining a permit, providing a bond or paying a fee under this Chapter:
  - (a) Any project that is designed and/or certified by the Ferryville Plan Commission as part of a soil conservation or water pollution control project.
  - (b) Land disturbance activity by the Village or any township within the extraterritorial area of the Village.
  - (c) Nonmetallic mining sites that have been issued a permit by The Ferryville Code of Ordinances or town authority in extra-territorial areas.

#### 21.04 DEFINITIONS.

- (1) "Access road development" means any excavation or filling for the construction of roads and trails where access is needed for public or private use.
- (2) "Agricultural land use" means use of land for planting, growing, cultivating, and harvesting of crops for human or livestock consumption and pasturing, but does not include the construction of agricultural buildings, facilities or other disturbances as indicated in s. 21.08 of this Ordinance.
- (3) "Best management practices or BMP" means structural or non-structural measures, practices, techniques, or devices determined by the Commission to be effective measures in preventing or reducing runoff pollutants from leaving the site.
- (4) "Control plan" means a written description and/or plan map of the number, locations, sizes, and other pertinent information of soil and water erosion control measures designed to meet the requirements of this Ordinance submitted by the applicant for review and acceptance by the Plan Commission.
- (5) "Ferryville Plan Commission", "Plan Commission" or "Commission" means the designated staff of the Commission, which is hereby authorized to perform the function of administering this Ordinance.
- (6) "Landowner" means any person having fee title ownership of the land.
- (7) "Land user" means any person who uses the land as owners, operators, leasers, renters or occupiers who are providing a service that requires access or alterations of the land in order to perform the service, including any person or persons, firm, company or corporation performing work at a site.

- (8) "Permit" means the authority granted by the Village Board to conduct activities regulated by this Ordinance.
- (9) "Percent slope" means the grade of the land determined by the vertical rise or fall in feet, per horizontal length in feet, measured perpendicular to the land contour and expressed as a percentage.
- (10) "Plan Administrator" means the Plan Commission Chairman or his/her designated representative.
- (11) "Plan Commission" means the committee appointed by the Village Board pursuant to s. 61.35, 62.23, Wis. Stats.
- (12) "Shoreland Zone or District" means all lands in Ferryville and the extraterritorial area which are within 1,000 feet of the ordinary high water mark of navigable lakes, ponds, flowages; or within 300 feet of the ordinary high water mark of navigable rivers or streams, or to the landward side of the floodplain, whichever distance is greater.
- (13) "Site" means the entire area or combinations of separate areas on which the land disturbance activity is proposed.
- (14) "Tracking" means the detachment and movement of soil, sediment, or rock fragments by vehicle tires.
- (15) "Wetlands" means those areas where water is at, near or above the land surface long enough to be capable of supporting aquatic or hydrophytic vegetation and which have soils indicative of wet conditions.

#### 21.05 TECHNICAL STANDARDS.

- 1) Design, standards and specifications. All control measures required to comply with this Ordinance shall meet the design criteria, standards and specifications based on any of the following:
  - (a) Applicable design guidance and technical standards developed by the DNR under subchapter III of Chapter NR 151, Wisconsin Administrative Code.
  - (b) Other technical standards not identified or developed in sub. (a), may be used provided that the methods have been approved by the Commission.

#### 21.06 PERFORMANCE STANDARDS

- (1) All erosion control plans shall by design, achieve to the maximum extent practicable, a reduction of 80% of the sediment load carried in runoff, on an average annual basis as compared with no sediment or erosion controls, until the site is stabilized.

#### 21.07 MAINTENANCE OF CONTROL MEASURES.

- (1) All control measures necessary to meet the requirements of this Ordinance shall be maintained by the landowner or land user to ensure adequate performance and to prevent nuisance conditions.

#### 21.08 CONTROL OF EROSION AND POLLUTANTS DURING LAND DISTURBANCE ACTIVITIES.

- (1) Applicability. This section applies to:
  - (a) Those disturbed areas or sites as listed in Section 21.10(1) (a through d) under Categories A, B and C. The site area is the sum total of individual areas on the property.
  - (b) Those other areas or sites that may be required by the Plan Commission to obtain an Erosion Control Permit.
- (2) Sediment Cleanup. Sediment removal times on sites described in s. 21.08(1) shall meet the following:
  - (a) Off-site sediment deposition occurring as a result of a storm event shall be cleaned up within 24 hours of the end of the storm event.
  - (b) All other off-site sediment deposition occurring as a result of construction activities shall be cleaned up by the end of the same workday.
- (3) Removal of Practices. When disturbed areas have been stabilized, temporary structural BMPs shall be removed.

#### 21.09 STABILIZATION

- (1) The site stabilization and remaining work shall conform to the Wisconsin Department of Transportation "Standard Specifications for Road and Bridge Construction" sections 627, 629, 630 and 631; Mulch, Fertilizer, Seed and Sod sections respectively.

#### 21.10 PERMITS AND CONTROL PLANS.

- (1) A land disturbance activity subject to this Ordinance shall not occur without an approved control plan. Permit application forms (See Attachment 2), when filled out, shall be submitted for approval. An application for a permit, or submission of a control plan by the land owner or the party responsible for the work, authorizes representatives of the Ferryville Plan Commission to enter the site to obtain information required for the review of the control plan at any time. Application shall be accompanied by a filled out, description of the control measures or a "DNR Construction Site Erosion Control Plan and Storm Water Management Worksheet" as applicable (See Attachments 2 and 3) as noted below:
- (2) Control Plan Contents. Required contents of control plans will depend on the slope of the land proposed for the land disturbance, amount of land to be disturbed, and proximity of the proposed land disturbance activity to streams, rivers, lakes, private properties, and wetlands.

- (a) Category A. The filled out “Application for Erosion Control/Land Disturbance Permit” may be submitted with a description of the work only, in lieu of a more detailed plan if all of the following conditions are met:
  - (1) 2,000 square feet of land or less will be disturbed;
  - (2) 1,000 cubic yards or less of excavation and/or filling will occur;
  - (3) Land disturbances will not occur within Shoreland District;
  
- (b) Category B. This category applies to total disturbed area(s) on the property of less than one acre. Category B control plans will be required for land disturbance activities where any of the above conditions (Category A) of this Ordinance, cannot be met. These control plans shall conform to the requirements of “DNR Construction Site Erosion Control Plan and Storm Water Management Worksheet” and require the stamp of a Registered Professional Engineer unless waived by the approval of the permit.
  
- (c) Category C. For logging roads, permit application must be accompanied by a timber cut notice or a Managed Forest Law Contract. The submittal requirements of Category B apply unless the disturbed area total exceeds one acre.
  
- (d) Category Changes. The Commission or its designee may reduce the category of the plan if the land disturbance activity is determined to have minimal off-site erosion potential.
  
- (e) Attachment 1 contains a flow chart showing the site details for determining which control plan is required for each situation.
  
- (f) Certain situations, as indicated in Attachment 1, are not covered by this Ordinance, such as disturbed areas of more than one acre or commercial building sites.
  
- (3) Review of Control Plan. Control plans are to be submitted to the Ferryville Village Clerk for forwarding to the Plan Commission. The Commission shall determine if the requirements of the Ordinance have been met. If the plan is approved by the Plan Commission, a recommendation shall be made to the Village Board to issue the permit. If conditions are not met, the Commission shall have the Village Clerk inform the applicant to either provide additional information or require re-submittal. After receipt of additional information or re-submittal the Commission shall recommend to the Village Board to issue or deny the permit. If the plan is disapproved, the Commission shall recommend to the Village Board to inform the applicant in writing of the reasons for disapproval.
  - (a) Schedule
    - (1) Application accepted by the Village Clerk
    - (2) Sent to next meeting of Plan Commission
    - (3) If approved – next Village Board Meeting

- (4) If denied – back to Village Clerk
  
- (4) Permits. Permits shall be applied for at the Ferryville Village Clerk office. Permits shall be issued by the Village Board upon acceptance of the control plan and after the recommendation for issuance by the Plan Commission and the payment of any applicable fees.
  - (a) Duration. Category A, B, and C permits shall be valid for 1 year. The Commission may extend any permit one or more times for up to an additional year. The Commission may require additional control measures as a condition of the extension if they are necessary to meet the requirements of this Ordinance.
  - (b) Permit Conditions. All permits shall require the landowner or land user to:
    - (1) Notify the Commission at least 24 hours prior to commencing any land disturbance activity;
    - (2) Obtain permission from the Commission prior to modifying the control plan;
    - (3) Install and maintain all control measures as identified in the control plan;
    - (4) Repair any siltation or erosion damage to adjoining areas, such as perennial waters, wetlands, road right-of-ways, nearby property and drainage ways resulting from land disturbance activities;
    - (5) Keep a copy of the control plan on the site;
    - (6) Notify the Commission within 48 hours of completion of the land disturbance activity; and
    - (7) Keep the approved permit application available on site for display to any interested party.
  - (c) Additional Permit Conditions. All permits issued by the Village Board shall require the landowner or land user to:
    - (1) Meet with the Commission representative for a final inspection to determine if all of the conditions of the permit approval have been met; and,
    - (2) Provide the Commission with as-built plans of engineered practices to ensure proper installation of erosion control and storm water management measures.
  
- (5) Escrow Account or Surety Bond. As a condition of approval and issuance of the permit, the Village Board may require the applicant to deposit performance surety such as a letter of credit, posted bond or cash escrow in the amount of not less than the cost of execution of the approved control plan. Surety must be provided for the length of the project plus one growing session. The required surety will be a part of a maintenance agreement which will give the Village Board the authority to use the funds to complete the project if the permitted party defaults or does not properly implement the approved plan. This agreement shall be recorded in the County Register of Deeds Office prior to the issuance of any permit and shall be effective

for a sufficient time period to perform the activities required, make the appropriate inspections and approve the final installation.

#### 21.11 INSPECTION.

- (1) The Plan Chairman, the Commission, or designee is authorized to inspect the site at any time prior to or after the issuance of the permit.
- (2) If the land disturbance is being carried out without a permit and control plan, the Plan Administrator, the Commission, or designee shall enter the land to implement enforcement of provisions pursuant to 92.07(14), Wis. Stats. as applied by this Ordinance.

#### 21.12 ENFORCEMENT AND PENALTIES.

- (1) The Commission or its designee may issue a Notice of Non-compliance if:
  - (a) The control plan is not being implemented as approved; or
  - (b) The conditions of the permit are not being met.
- (2) The Plan Chairman, Commission, or designee may post a stop-work order if:
  - (a) Any land disturbance regulated under this Ordinance is being undertaken without a permit and approved control plan;
  - (b) Sediment has left the site in excess of allowable;
  - (c) A Notice of Non-compliance has been issued and the necessary action has not been taken within the time frame indicated on the Notice to comply with the permit's conditions; or
  - (d) Land disturbance activities are being carried out improperly.
- (3) If the applicant does not cease the land disturbance activity and comply with the control plan or permit conditions within 48 hours after posting the stop-work order, the Plan Administrator or Commission may revoke the permit.
- (4) Where no permit has been issued or a stop-work order has been posted, the Village Board may require the District Attorney to obtain a cease and desist order, or any other form of injunctive relief as needed.
- (5) Upon review of the actions taken, the Plan Administrator, the Commission, or designee may retract the stop-work order or the revocation depending on actual on-site conditions.
- (6) After posting a stop-work order, the Plan Administrator or Commission may issue a notice of intent to the landowner and land user, if applicable, of the Village's intent to perform work necessary to comply with this Ordinance. The Village may go on the site and commence the work no sooner than 5 days after issuing the notice of intent. Exceptions may be granted in emergency situations where the potential for severe off-site damage warrants immediate attention. The cost of the work performed by the Village, plus interest, at the rate authorized by

the Village Board shall be billed to the landowner. In the event a landowner fails to pay the amount due, the Village Treasurer shall enter the amount due on the tax rolls and collect as a special assessment against the property pursuant to current procedures allowed by Wis. Stats.

- (7) Any person, including the land user, violating any of the provisions of this Ordinance may be subject to a forfeiture of not less than \$500.00 nor more than \$1,000.00 and the costs of prosecution for each violation. Each day a violation exists shall constitute a separate offense until compliance with the provisions of this Ordinance. This Ordinance may also be enforced by injunction.
- (8) If the violation occurs within a restricted development area or within the Shoreland Zone or District, the Commission may require the land to be restored to its original topographic grade and stabilized according to the Commission's requirements.

#### 21.13 APPEALS.

- (1) Board of Adjustment/Appeals. The Board of Adjustment/Appeals created pursuant to Chapter 1 of the Ferryville Code of Ordinances pursuant to s. 68.08 and 68.11, Wis. Stats.:
  - (a) Shall hear and decide appeals where it is alleged that there is error in any order, decision or determination made by the Commission or Plan Administrator or Village Board in administering this Ordinance;
  - (b) Upon appeal, may authorize variances from the provisions of this Ordinance, which are not contrary to the public interest, and where, due to special conditions, a literal enforcement of the provisions of the Ordinance will result in unnecessary hardship; and,
  - (c) Shall use the rules, procedures, duties and powers authorized by statute in hearing and deciding appeals and authorizing variances.
- (2) Who May Appeal. Any applicant, landowner, land user or aggrieved party may appeal any order, decision or determination made by the Commission or Plan Administrator or Village Board relative to sites in which that person has interest.

#### 21.14 CONFLICTING ORDINANCES.

- (1) The provisions of this Ordinance shall prevail over any previous Ordinances of Ferryville that are or may be in conflict therewith.

#### 21.15 FEES. Control Plan Review and Re-submittal Fees.

- (1) Ordinary Fees. The Control Plan review fee shall be \$36.00. Only one fee per each control plan submitted may be charged except where re-submittal is required.
- (2) Re-submittal fees will be assessed at a maximum of 25% of the original permit fee or actual cost, whichever is less.
- (3) After-the-Fact Fees.



- (a) When a permit is acquired after-the-fact, the fee shall be a minimum of two times the ordinary fee for the project.
- (b) When a project involves the removal of material from the property and a permit has not been granted, the permit fee shall be assessed at five times the ordinary fee.

Attachment 1: Flow Chart entitled: "Ferryville Land Disturbance Guide for determining which Erosion Control Permit is needed".

Attachment 2: Sample Copy "Application for Erosion Control/Land Disturbance Permit".

Attachment 3: Sample copy of an 11page DNR worksheet, "DNR Construction Site Erosion Control Plan and Storm Water Management Worksheet".

### Chapter 21 Attachment 3

#### DNR Construction Site Erosion Control Plan and Storm Water Management Worksheet

This worksheet is provided to assist you in preparation of an erosion control and storm water management plan in accordance with NR 216.46 and NR 151 and is not intended to replace or to fulfill the requirements of the codes.

Site Name \_\_\_\_\_ Date \_\_\_\_\_

#### Erosion Control Plan Requirements - NR 216.46(4)

- a) Project type:  roadway (private, town, county – circle one)  
 housing subdivision  
 commercial or municipal building  
 1-2 family residence or accessory building(s)

agricultural facility

- utility  
 other (please list \_\_\_\_\_)

b) Type of land-disturbing activity (check all that apply):

- Clearing of vegetation (trees, brush, grass)       Grubbing (ie. stump removal)  
 Landscaping  
 Grading       Filling  
 Other excavation \_\_\_\_\_

c) Intended sequence of major soil-disturbing activities:

- 1) install and maintain Best Management Practices (BMP's)
- 2) \_\_\_\_\_
- 3) \_\_\_\_\_

4) \_\_\_\_\_

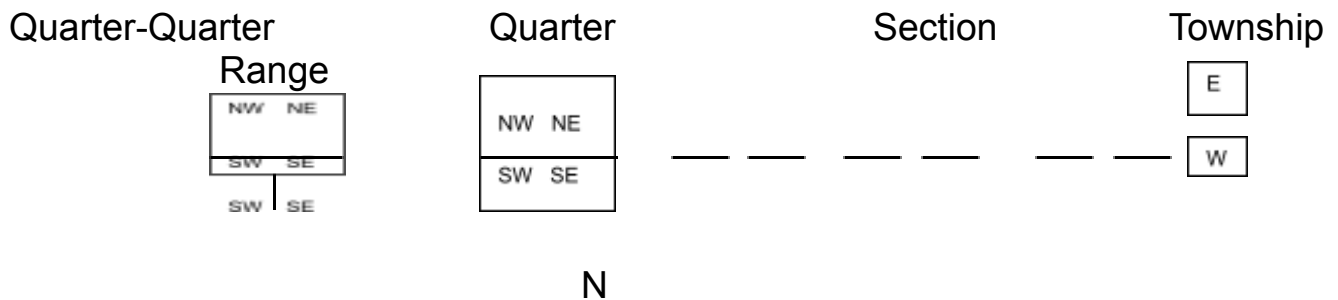
5) \_\_\_\_\_

c) Total area of site in acres (on Notice Of Intent) \_\_\_\_\_

Area of site expected to be disturbed (acres) \_\_\_\_\_

Your local County Land and Water Resources Department or a private engineer may be able to assist you in answering the next few questions (d through g):

Legal Description (on NOI): Or list parcel number \_\_\_\_\_



d) Estimates of the runoff coefficient:  
-before construction \_\_\_\_\_

-after construction \_\_\_\_\_

e) Major soil types (list or attach map) \_\_\_\_\_

f) Depth to groundwater (ft.) \* \_\_\_\_\_

g) Does your construction site discharge storm water to (check all that apply):

Stream, name \_\_\_\_\_  unnamed

River, name \_\_\_\_\_

Lake, name \_\_\_\_\_  unnamed

Wetland\*\*

\* Note: see groundwater limitations in NR 216.46(5) if constructing permanent infiltration system.

**Construction Site Erosion Control Performance Standards** – NR 151.11 (non-transp)  
NR 151.23 (transportation)

Erosion Control Plan Requirements: Meeting Ordinance Chapter 21 : Yes\_\_\_ No \_\_\_\_\_

Best Management Practices (BMP's) must, by design, achieve, to the maximum extent practicable, a reduction of 80% of the sediment load carried in runoff, on an average annual basis, as compared with no sediment or erosion controls, until the construction site has undergone final stabilization. NR 151.11(6)(a) and NR 151.23(4)(a).

Technical guidance for meeting this 80% reduction can be found on our DNR website at [www.dnr.state.wi.us/org/water/wm/nps/stormwater/techstds.htm](http://www.dnr.state.wi.us/org/water/wm/nps/stormwater/techstds.htm). Road projects can use the Slope Erosion Control Matrix and the Channel Erosion Control Matrix in order to achieve this sediment load reduction.

Check any and all of the BMP's you plan to use that will minimize the erosion of soil:

Slopes

Seed and mulch

Silt fence

Light duty erosion mat

Polymer

- |  |  |
|--|--|
| <input type="checkbox"/> Medium duty erosion mat                     | <input type="checkbox"/> Sod               |
| <input type="checkbox"/> Heavy duty synthetic erosion mat            | <input type="checkbox"/> Sediment trap     |
| <input type="checkbox"/> Heavy duty synthetic turf reinforcement mat | <input type="checkbox"/> Hay erosion bales |

Channels

- |  |  |
|--|--|
| <input type="checkbox"/> Seed and mulch                              | <input type="checkbox"/> Sod ditch check               |
| <input type="checkbox"/> Light duty erosion mat                      | <input type="checkbox"/> Sod ditch liner               |
| <input type="checkbox"/> Medium duty erosion mat                     | <input type="checkbox"/> Stone or rip-rap ditch checks |
| <input type="checkbox"/> Heavy duty synthetic erosion mat            | <input type="checkbox"/> Rip-rap lined channel         |
| <input type="checkbox"/> Heavy duty synthetic turf reinforcement mat | <input type="checkbox"/> Interlocking concrete block   |
| <input type="checkbox"/> Temporary ditch checks (specify type _____) |  |
| <input type="checkbox"/> Hay erosion bales                           | <input type="checkbox"/> Sediment logs                 |

Will heavy equipment be leaving the construction site and traveling on a paved surface?

- No
- Yes – please describe how you will prevent tracking of mud and sediment onto the paved surface:

Will you be pumping ponded water from your site?

No

Yes – please describe how you will prevent discharge of sediment in the pumped water and where you plan to discharge the water:

Are there storm drains within 300 feet of your site?

No

Yes – please describe how you will protect those storm drains from sediment from your construction site:

Will you be using cement or other chemicals on your site?

No

Yes – please describe how you will prevent cement and other chemicals from entering storm water runoff from your site:

### Site Map Requirements

You will need to prepare three maps:

- 1) USGS 7.5 minute (1:25,000) topographic map (on NOI) showing:

- a) boundaries of the construction site
- b) areas of soil disturbance
- c) locations of all surface waters and wetlands within one mile of the construction site

These topographic maps can be downloaded from the following websites:

[www.topozone.com](http://www.topozone.com)

[www.terraserver.com](http://www.terraserver.com)

[www.usgs.gov](http://www.usgs.gov)

2) Detailed pre-construction and during construction site map showing:

- d) existing topography and drainage patterns, roads, and surface waters
- e) location of wetlands
- f) location of existing impervious surface
- g) existing slopes and drainage patterns
- h) location of major structural and non-structural erosion controls identified in the plan

3) Detailed post-construction site map showing:

- i) location of impervious surfaces
- j) areas which will be vegetated following construction
- k) location of undisturbed areas (buffers and protective areas)
- l) location of sheet flow and areas of concentrated flow
- m) location of outfalls (channels or pipes draining water from the site)
- n) location of velocity dissipation devices (ie. rock rip-rap at pipe outfalls or other such methods to dissipate water)
- o) locations where storm water is discharged to a surface water or wetland\*\*

**\*\* untreated storm water may not be discharged to a wetland as per NR103.03(2)(e) wetland water quality standards; hydrological conditions necessary to support the biological and physical characteristics naturally present in wetlands shall be protected to prevent significant adverse impacts on: 1) water currents, erosion or sedimentation patterns, 2) water temperature variations, 3) the chemical, nutrient, and dissolved oxygen regime of the wetland, 4) the movement of aquatic fauna, 5) the pH of the wetland, 6) water levels or elevations.**

*(f) Existing habitats and the populations of wetland animals and vegetation shall be maintained by: 1) protecting food supplies for fish and wildlife, 2) protecting reproductive and nursery areas, 3) preventing conditions conducive to the establishment or proliferation of nuisance organisms.*

**Construction Site Storm Water Mangement Plan - NR 216.47, NR 151.12, and NR 151.24**

If your project is road building or reconstruction is it:

- New Road    Reconstruction    Resurfacing    Reconditioning

Is your project:

- Residential                       Commercial  
 Industrial                               Other \_\_\_\_\_

If Industrial, is it a Tier 1 or Tier 2 facility? \_\_\_\_\_

If your project is residential, commercial, industrial or institutional is it:

- New development  
 Redevelopment (replacing previous or older development)



In-fill development of less than 5 acres

**For Residential Projects:**

Total Suspended Solids – NR 151.12(5)(a)

Describe the best management practices you will use to achieve a reduction of total suspended solids by 80% for new development, and 40% for redevelopment and infill:

- |   |  |
|---|--|
| <input type="checkbox"/> Permanent Diversions                   | <input type="checkbox"/> Stone or rip-rap channels |
| <input type="checkbox"/> Seeding with Mulch                     | <input type="checkbox"/> Detention pond            |
| <input type="checkbox"/> Sodding                                | <input type="checkbox"/> Infiltration basins       |
| <input type="checkbox"/> Deep tillage (loosen soil compaction)  | <input type="checkbox"/> Rain Garden               |
| <input type="checkbox"/> Grass Waterway                         | <input type="checkbox"/> Other _____               |
| <input type="checkbox"/> Porus Pavement                         | (specify type)                                     |
| <input type="checkbox"/> Geotextile reinforced grasses waterway |  |

Did you use the DNR technical standards guidance, or did you use a model?

- Tech Standards - which one(s)? \_\_\_\_\_
- Model – which one(s)? \_\_\_\_\_

Peak Discharge - NR 151.12(5)(b)

Answer this question only if your project is new development.

Describe how you will maintain or reduce post-development peak runoff discharge rates as compared to pre-development conditions for the 2 year, 24-hour design storm .

Infiltration – NR 151.12(5)(c)

For residential developments:

Describe how you will infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 90% of the pre-development infiltration volume, based on an average annual rainfall, or describe how you will infiltrate 25% of the post-development runoff volume from a 2 yr, 24 hour storm (Type II distribution).

1) How will you address runoff created by roads and driveways?

2) How will you address runoff created by rooftops and other impervious surfaces?

Protective Areas - NR 151.12(5)(d)

Impervious surfaces (ie. Roads, rooftops) shall be kept out of the protective area to the maximum extent practicable.

Do you have any impervious surfaces on your project that fall within 50 feet of a lake, stream, or wetland?

Yes

No

If yes, describe the nature of the impervious surface and explain why it has to be located in that area:

**For Industrial or Commercial Projects:**

*Please note this worksheet is designed for small sites only and may not be acceptable for certain Industrial or commercial sites. You must check with your local DNR Storm water specialist to see if this form is approved for your site prior to submittal.*

Total Suspended Solids – NR 151.12(5)(a)

Describe the best management practices you will use to achieve a reduction of total suspended solids by 80% for new development, and 40% for redevelopment and infill:

- |   |  |
|---|--|
| <input type="checkbox"/> Permanent Diversions                   | <input type="checkbox"/> Stone or rip-rap channels |
| <input type="checkbox"/> Seeding with Mulch                     | <input type="checkbox"/> Detention pond            |
| <input type="checkbox"/> Sodding                                | <input type="checkbox"/> Infiltration basins       |
| <input type="checkbox"/> Deep tillage (loosen soil compaction)  | <input type="checkbox"/> Rain Garden               |
| <input type="checkbox"/> Grass Waterway                         | <input type="checkbox"/> Other _____               |
| <input type="checkbox"/> Porus Pavement                         | (specify type)                                     |
| <input type="checkbox"/> Geotextile reinforced grasses waterway |  |

Did you use the DNR technical standards guidance, or did you use a model?

- Tech Standards - which one(s)? \_\_\_\_\_
- Model – which one(s)? \_\_\_\_\_

Peak Discharge - NR 151.12(5)(b)

Answer this question only if your project is new development.

Describe how you will maintain or reduce post-development peak runoff discharge rates as compared to pre-development conditions for the 2 year, 24-hour design storm .

Infiltration – NR 151.12(5)(c)

For commercial, industrial, or institutional developments that are not Tier 1 or storage or loading areas for Tier 2:

Describe how you will infiltrate sufficient runoff volume so that the post-development infiltration volume shall be at least 60% of the pre-development infiltration volume, based on an average annual rainfall, or describe how you will infiltrate 10% of the post-development runoff volume from a 2 yr, 24 hour storm (Type II distribution).

1) How will you address runoff created by roads and driveways?

2) How will you address runoff created by parking lots, rooftops, and other impervious surfaces?

- 3) Before infiltrating runoff, pretreatment is required for parking lot runoff and runoff from new road construction in commercial, industrial, and institutional areas. Please describe how you will pretreat storm water runoff from these areas:

Protective Areas - NR 151.12(5)(d)

Impervious surfaces (ie. Roads, rooftops) shall be kept out of the protective area to the maximum extent practicable.

Do you have any impervious surfaces on your project that fall within 50 feet of a lake, stream, or wetland?

Yes                       No

If yes, describe the nature of the impervious surface and explain why it has to be located in that area:

**For Road Projects:**

*Please note this worksheet is designed for small sites only and may not be acceptable for certain road sites. You must check with your local DNR Storm water specialist to see if this form is approved for your site prior to submittal.*

Total Suspended Solids – NR 151.24(3)

Describe the best management practices you will use to achieve a reduction of total suspended solids by 80% for new roads, and 40% for reconstruction of an existing road:

- |   |  |
|---|--|
| <input type="checkbox"/> Permanent Diversions                   | <input type="checkbox"/> Stone or rip-rap channels |
| <input type="checkbox"/> Seeding with Mulch                     | <input type="checkbox"/> Detention pond            |
| <input type="checkbox"/> Sodding                                | <input type="checkbox"/> Infiltration basins       |
| <input type="checkbox"/> Deep tillage (loosen soil compaction)  | <input type="checkbox"/> Rain Garden               |
| <input type="checkbox"/> Grass Waterway                         | <input type="checkbox"/> Other _____               |
| <input type="checkbox"/> Porus Pavement                         | (specify type)                                     |
| <input type="checkbox"/> Geotextile reinforced grasses waterway |  |

Did you use the DNR technical standards guidance, or did you use a model?

- Tech Standards - which one(s)? \_\_\_\_\_
- Model – which one(s)? \_\_\_\_\_

Peak Discharge - NR 151.24(4)(a)

Answer this question only if your project includes construction of a new road.

Describe how you will maintain or reduce post-development peak runoff discharge rates as compared to pre-development conditions for the 2 year, 24-hour design storm .

Infiltration – NR 151.24(5)(e)

Public highways as defined by State Statute 84.103 (State and County highways and town roads) do not have to meet the infiltration requirement.

Please speak with your storm water specialist if you are constructing a private road that is not part of a larger plan of development.

Protective Areas - NR 151.24(6)(b)

No new roads may be constructed in the protective area of a lake, stream, or wetland unless there is no practical alternative.

Does your project involve:

new road construction       road reconditioning or reconstruction

Do you have any impervious surfaces on your project that fall within 50 feet of a lake, stream, or wetland?

Yes       No

If yes, explain why the road has to be located in that area:





# Village of Ferryville, Wisconsin

[www.Ferryville.com](http://www.Ferryville.com)

[www.Visitferryville.com](http://www.Visitferryville.com)

Bridget Schill

(608) 734-9406

Village Clerk

(608) 734-3052

P.O. Box 236

E-Mail: [ferryville-vc@mchsi.com](mailto:ferryville-vc@mchsi.com)

Ferryville WI 54628

[treasurer@ferryville.com](mailto:treasurer@ferryville.com)

## **EROSION CONTROL / LAND DISTURBANCE**

### **Village of Ferryville**

The Village Board enacted Chapter 21 of the Municipal Code of Ordinances on September 16, 2009. The purpose of the ordinance is to “protect Ferryville’s unique natural resources by minimizing the amount of sediment carried by runoff or discharged from land disturbance activities to perennial waters, wetlands, private properties, public right-of-ways”.

Attached is a “Guide” which determines which “erosion control permit” is required.

The Ferryville Plan Commission is given authority by Wisconsin Statute to review control plans submitted by residents who intend to complete land disturbance activities. In most cases, the use of silt fence(s) can control sediment run off.

Attached is a copy of the “Application for Erosion Control/Land Disturbance Permit”. This form needs to be completed and returned to the Village Clerk/Treasurer who will provide it to the Plan Commission. The Commission will schedule a meeting to review the application and IT IS STRONGLY SUGGESTED THAT THE APPLICANT ATTEND THE COMMISSION MEETING to explain the request and answer questions. The Plan Commission, by ordinance then approves or denies the request. Approvals are sent to the Village Board for final approval at their next meeting.

**APPLICATION FOR**  
**EROSION CONTROL/LAND DISTURBANCE PERMIT**  
**VILLAGE OF FERRYVILLE**

Property Parcel No. \_\_\_\_\_ . REQUIRED: If unknown contact the Village Clerk/Treasurer (608)734-9406 or [ferryville-vc@mchsi.com](mailto:ferryville-vc@mchsi.com) The applicant must provide the parcel # of the site where all land disturbance activities will occur.

Property Owner Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Cell Phone #: \_\_\_\_\_

**Person Responsible for Erosion Control: (Contractor, Renter, Property owner)**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone #: \_\_\_\_\_ Cell Phone #: \_\_\_\_\_

DESCRIBE PLANNED LAND DISTURBANCE ACTIVITIES – ATTACH A DRAWING OR SKETCH OF THE PLAN – Include Control Plan to contain erosion of materials etc.

\_\_\_\_\_  
\_\_\_\_\_

(Continue on attached page(s))

IF Category "B" Application - Attach: DNR Construction Site Erosion Control Plan and Storm Water Worksheet.

\_\_\_\_\_  
(Signed -Property owner) (Date )

\_\_\_\_\_  
(Signed – Person Responsible if not Owner) (Date)

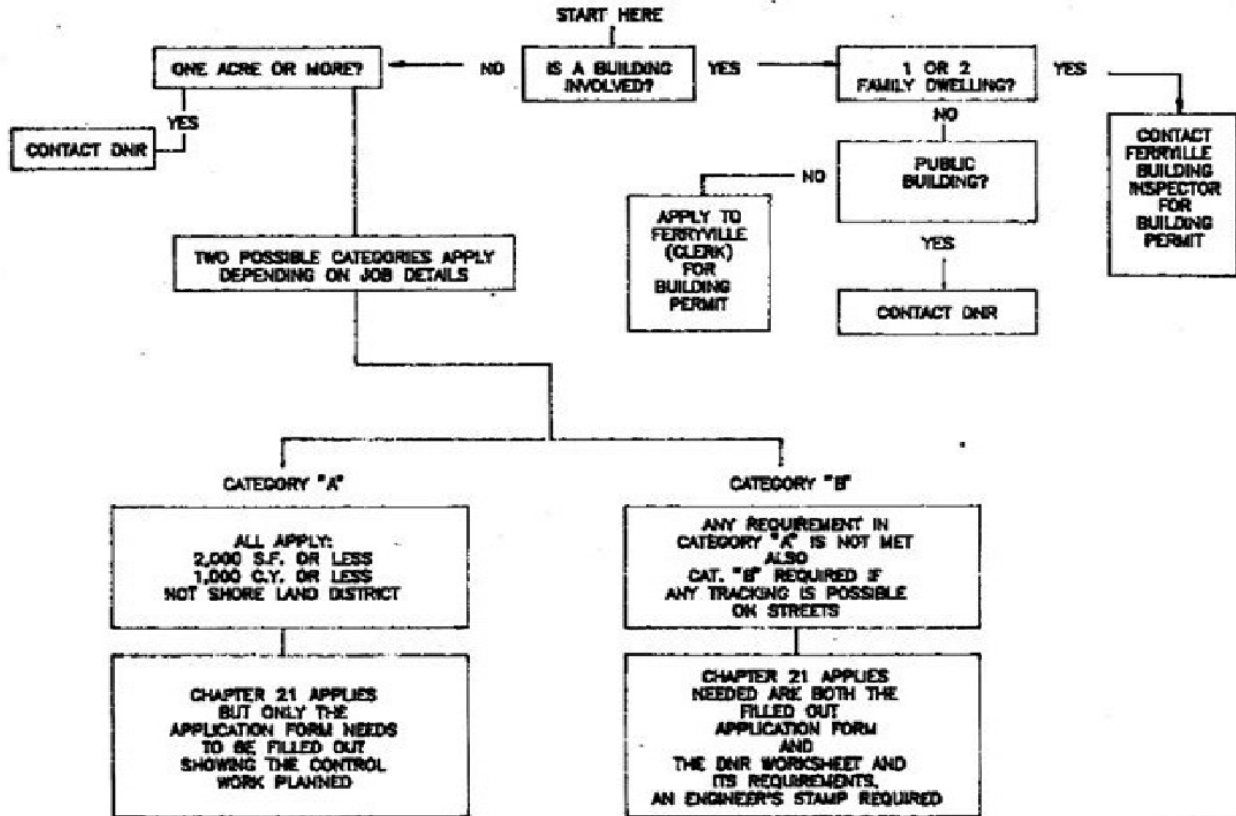
Submit Application to: Village of Ferryville  
Village Clerk/Treasurer  
P. O. Box 236  
Ferryville, WI 54628

Include Review Fee; \$36.00  
(Payable to Village of Ferryville)

Continued Page 2

Chapter 21, Attachment 1, Ferryville Land Disturbance Guide

FERRYVILLE LAND DISTURBANCE GUIDE FOR DETERMINING WHICH EROSION CONTROL PERMIT IS NEEDED



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