



LAND DISTURBING/EROSION CONTROL PERMIT APPLICATION

Financial Assurance: Cash, bond, escrow account, irrevocable letter of credit. The amount to be 110% of the estimated cost of completing the erosion control, grading and restoration.

Permit Fee \$75.00
Permit # _____
Date _____
Permit Effective date _____
Permit Expires _____

Project Name: _____ County: Waukesha
Project Address: _____

Type of Development Project

- Residential Commercial/Industrial Transportation Utility

Description of Land Disturbing Activity:

Total area to be disturbed: _____ Square Feet Grading: _____ Square Feet
Excavating or filling: _____ Cubic Feet Trenching: _____ Linear Feet

Print: Organization/Contractor and contact person responsible for installation and maintenance of the erosion control practices

Name (Organization / Contractor)	Contact Person	Cell #/Direct	24 hr Phone Number (area code)	Title
		()		
Mailing Address	City	State	Zip	
Email Address	(area code) Phone Number	(area code) Fax Number		
	()	()		

I hereby certify that I fully understand the provisions of the City of Oconomowoc, Municipal Code, Chapter 19, Stormwater Management & Erosion Control Ordinance, and that I accept responsibility for carrying out all the Erosion Sediment Control Plan for the above referenced project as approved by the City. A complete version of Chapter 19 can be found on the City's website, www.oconomowoc-wi.gov.

I further grant the right-of-entry onto the property, as described above, to personnel of the City of Oconomowoc for the purpose of inspecting and monitoring for compliance with the Ordinance.

I certify that all information is correct and that all City Ordinances will be complied with in performing the work for which this permit is issued.

Name (Property Owner/Agent)	Contact Person	Title
Mailing Address	City	State Zip
Email Address	(area code) Phone Number	(area code) Fax Number
	()	()

Signature of Property Owner

Date

Signature of Agent

Date

Approved

City of Oconomowoc DPW official

Date

ADDITIONAL PERMIT INFORMATION REQUIRED

Description of Construction Activity (include attachment)

Describe the construction activity. Include a description of the site, nature of construction activity, sequence of work, and proposed structural and soil stabilization best management practices (BMPs).

Plans and Implementation Requirements (include all plans)	Yes	No	NA	Explanation for No (identify any exemptions)	Plan Sheet Location Page #
1. Site map is prepared in accordance Chapter 19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Erosion and sediment control best management practices plan is prepared in accordance with Chapter 19 & DNR Technical Standards.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Compliance with mandatory controls:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
a. Design meets the 80% reduction of sediment goal.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
b. Inlet protection is provided.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
c. Dewatering plan is provided in the event that dewatering is needed.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
d. Tracking control practices are located at entrances and exists.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
e. Building and waste material is properly handled to prevent Runoff of material into waters of the state.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
f. * BMPs are located prior to waters of the state, unless in-stream control is required.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Inspection schedule and record keeping in accordance with Chapter 19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. The Erosion Control Plan has been submitted to and is in compliance with all requirements of Chapter 19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. This acknowledges that a copy of the Construction Site Erosion Control Plan has been prepared, will be kept on site, and made available upon request.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Technical Standards Employed (check all that apply) Website: <http://dnr.wi.gov/runoff/stormwater/techstds.htm>

Where the applicant specifies a technical standard, the applicant agrees to adhere to the criteria prescribed in the standard. Where a best management practice is proposed for which there is no technical standard or the technical standard is not used in whole, references on effectiveness in meeting the performance standard must be provided.

Erosion and Stabilization Practices: (check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Channel Erosion Mat | <input type="checkbox"/> Mulching for Construction Sites | <input type="checkbox"/> Construction Site Diversion Swales |
| <input type="checkbox"/> Non-Channel Erosion Mat | <input type="checkbox"/> Ditch Check | <input type="checkbox"/> Seeding for Construction Site Erosion Control |
| <input type="checkbox"/> Dust Control on Construction Sites | <input type="checkbox"/> Stone Tracking Pad | <input type="checkbox"/> Land Application of Anionic Polyacrylamide |
| <input type="checkbox"/> Temp. Grading Practices for Erosion Control | <input type="checkbox"/> Vegetative Buffer for Construction Sites | |

Sediment Control Practices: (check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Dewatering | <input type="checkbox"/> Silt Curtain* | <input type="checkbox"/> Sediment Bale Barrier (Non-Channel) |
| <input type="checkbox"/> Silt Fence | <input type="checkbox"/> Sediment Basin | <input type="checkbox"/> Storm Drain Inlet Protection for Const. Site |
| <input type="checkbox"/> Turbidity Barriers* | <input type="checkbox"/> Sediment Trap | <input type="checkbox"/> Water Application of Polymers |

*BMPs that are in-stream controls.

- (a) General Erosion Control Plan Requirements and Performance Standards. An erosion control plan shall describe how the permit holder and other responsible parties will minimize soil erosion and the transport of sediment from land disturbing activities to waters of the state or other property. To meet this requirement, the following performance standards shall apply:
1. All erosion control plans and associated BMPs shall comply with the planning, design, implementation and maintenance requirements of this ordinance and the Technical Standards prepared by the Wisconsin Department of Natural Resources.
 2. All erosion control plans shall by design, achieve to the maximum extent practicable, a runoff discharge of no more than five tons of sediment per acre per year from sheet and rill erosion during land disturbing activities, as compared with no sediment or erosion controls, until the site is stabilized.
 3. Erosion and sediment control BMPs may be used alone or in combination to meet the above noted performance standard. The requirements of this Sec. 19.10 are designed to meet this standard.
- (b) Guiding Principles for Erosion Control. To satisfy the requirements of this section, an erosion control plan shall adhere to the following guiding principles:
1. Propose grading that best fits the terrain of the site, avoiding steep slopes, wetlands, floodplains, environmental corridors and any applicable regulatory setbacks from these areas,
 2. Minimize, through project phasing and construction sequencing, the time the disturbed soil surface is exposed to erosive forces.
 3. Minimize soil compaction, the loss of trees and other natural vegetation and the size of the disturbed area at any one time;
 4. Locate erosion control BMPs upstream from where runoff leaves the site or enters waters of the state and outside of wetlands, floodplains, primary or secondary environmental corridors or isolated natural areas.
 5. Emphasize the use of BMPs that prevent soil detachment and transport over those aimed to reduce soil deposition (sedimentation) or repair erosion damage.
- (c) Specific Erosion Control Plan Requirements. The following applicable minimum requirements shall be addressed in erosion control plans. The DPW may establish more stringent erosion and sediment control requirements than the minimums set forth in this section if the DPW determines that an added level of protection is needed to protect an environmentally sensitive area or other property, or to address a change made during plan implementation.
1. Access Drives and Tracking. Provide access drive(s) for construction vehicles that minimize tracking of soil off site using BMPs such as stone tracking pads, tire washing or grates. Minimize runoff and sediment from adjacent areas from flowing down or eroding the access drive.
 2. Diversion of Upslope Runoff. Divert excess runoff from upslope land, rooftops or other surfaces, if practicable, using BMPs such as earthen diversion berms, and downspout extenders. Prevent erosion of the flow path and the outlet.
 3. Inlet Protection. Protect inlets to storm drains, culverts and other stormwater conveyance systems from siltation until the site is stabilized.
 4. Soil Stockpiles. Locate soil stockpiles away from channelized flow and no closer than 25 feet from roads, ditches, lakes, streams, ponds, wetlands or environmental corridors, unless otherwise approved by the DPW. Control sediment from soil stockpiles. Any soil stockpile that remains unworked for more than 30 days shall be stabilized.
 5. Cut and Fill Slopes. Minimize the length and steepness of proposed cut and fill slopes and stabilize them as soon as practicable.
 6. Channel Flow. During construction, trap sediment in channelized flow before discharge from the site using BMPs such as sediment traps and sediment basins. Complete final grading and stabilize open channels in accordance with DPW standards as soon as practicable, but in no event later than the first ground freeze or snow cover in the fall.
 7. Outlet Protection. Protect outlets from erosion during site dewatering and stormwater conveyance, including velocity dissipation at pipe outfalls or open channels entering or leaving a stormwater management facility.
 8. Overland Flow. Trap sediment in overland flow before discharge from the site using BMPs such as silt fence and vegetative filter strips.
 9. Site Dewatering. Treat pumped water to remove sediment prior to discharge from the site, using BMPs such as sediment basins and portable sediment tanks.
 10. Dust Control. Prevent excessive dust from leaving the construction site through construction phasing and timely stabilization or the use of BMPs such as site watering and mulch – especially with very dry or fine sandy soils.
 11. Topsoil Application. Save existing topsoil and reapply a minimum of 4 inches to all disturbed areas for final stabilization, unless otherwise approved by the DPW, such as for temporary seeding or stormwater infiltration BMPs. If adequate topsoil does not exist on the site to meet this requirement, it shall be imported or a topsoil substitute such as compost may be used, upon approval by the DPW.
 12. Waste Material. Recycle or properly dispose all waste and unused building materials in a timely manner. Control runoff from waste materials until they are removed or reused.
 13. Sediment Cleanup. By the end of each workday, clean up all on-site and off-site sediment deposits or tracked soil that originated from the permitted site. Flushing shall not be allowed unless runoff is treated before discharge from the site.
 14. Final Site Stabilization. All previous cropland areas where land disturbing activities will not be occurring under the proposed grading plans shall be stabilized within 30 days of permit issuance. Stabilize all other disturbed areas within 7 days of final grading and topsoil application. Large sites shall be treated in stages as final grading is completed in each stage. Any soil erosion that occurs after final grading or the application of stabilization measures must be repaired and the stabilization work redone.
 15. Temporary Site Stabilization. Any disturbed site or portion thereof that remains inactive for greater than 7 days shall be stabilized with temporary stabilization measures such as soil treatment, temporary seeding or mulching. For purposes of this subsection, “inactive” means that no site grading, landscaping or utility work is occurring on the site or a portion of the site and that precipitation events are not limiting these activities. Frozen soils do not exclude the site from this requirement.
 16. Removal of Practices. Remove all temporary BMPs such as silt fences, ditch checks and sediment traps as soon as all disturbed areas have been stabilized.
 17. Site Drainage. Site drainage plans shall comply with the provisions of Sec. 19.11(d) 6. below.
 18. Stormwater BMP Data. When a Stormwater Permit involves the maintenance of an existing stormwater BMP, including the removal of accumulated sediment, the DPW may require additional support data such as before/after surveys, design and construction details, and oversight by a professional engineer licensed in Wisconsin.

(d) Final Erosion Control Plan Contents. The following shall be the minimum requirements for items to be included in a final erosion and sediment control plan:

1. Sites Less than One Acre of Total Land Disturbance.

- A. A narrative describing the proposed land disturbing activity, construction timeline and sequencing, temporary BMPs to be used to minimize off-site impacts during the construction phase, and proposed methods to stabilize the site following construction in accordance with the requirements of this ordinance;
- B. A survey map or scaled site plan drawing of sufficient clarity showing a north arrow, the location of proposed land disturbance, direction of flow for runoff entering and leaving the disturbed area, upslope drainage area (if known), proposed BMPs, existing and proposed slopes, ground cover, buildings, roads, access drives, property boundaries, drainage ways, water bodies, trees, culverts, utilities and other structures within 50 feet of the proposed land disturbance;
- C. The name, address and daytime phone number of the person(s) charged with installing and maintaining all best management practices;
- D. For underground utility installations, the plans must delineate where utilities will be installed, show the location of the open cut and the topography in the area, and list the total lineal feet to be installed and the lineal feet that will be done by open cut; and
- E. Other information determined to be necessary by the DPW to ensure compliance with the requirements of this chapter.

2. Sites One Acre or Greater in Total Land Disturbance.

- A. A site map in accordance with Sec. 19.11 (c) below;
- B. A map at a scale of 1 inch equals no more than 100 feet (unless otherwise noted), delineating and labeling the following applicable items:
 - (i) North arrow, graphic scale, draft date, name and contact information for project engineer or planner and designation of source documents for all map features.
 - (ii) Proposed site topography at contour intervals not to exceed two feet, proposed percent slope for all open channels and side slopes and all proposed runoff discharge points from the site;
 - (iii) Proposed building envelopes and other land area to be disturbed and size in acres;
 - (iv) All woodland areas, those proposed to be lost or transplanted during construction and acres or numbers of each. For woodlands proposed to be lost, show individual trees larger than eight (8) inches in diameter that are located within twenty feet of proposed grading boundaries;
 - (v) Temporary access drive and specified surface material and minimum depth;
 - (vi) Temporary flow diversion devices for upslope or roof runoff until site is stabilized;
 - (vii) Temporary sediment trapping devices for site perimeter and inlets to culverts and storm drains;
 - (viii) Temporary settling basin or other BMP to be used for site dewatering during utility or other subsurface work;
 - (ix) Temporary soil stockpile sites indicating setbacks from nearby water resources or environmental corridors and the proposed erosion protection methods;
 - (x) Detailed drawings and cross-sections for any sediment traps, basins or other major cut or fill areas requested by the DPW, showing side slopes and elevations;
 - (xi) Final stabilization measures for open channels and erosion protection for pipe and channel inlets, outlets and emergency spillways;
 - (xii) Location of proposed utilities, including: standard cross-section for buried utilities, associated easements, labeling the type of utility and notes on erosion control and restoration plans;
 - (xiii) Final site stabilization instructions for all other disturbed areas, showing areas to be stabilized in acres, depth of applied topsoil, seed types, rates and methodology, fertilizer, sod or erosion matting specifications, maintenance requirements until plants are well established, and other BMPs used to stabilize the site;
 - (xiv) Detailed construction notes clearly explaining all necessary procedures to be followed to properly implement the plan, including estimated starting date of grading, timing and sequence of construction or demolition, any construction stages or phases, utility installation, dewatering plans, refuse disposal, inspection requirements, and the installation, use, and maintenance of best management practices proposed in the plan;
 - (xv) Location of soil evaluations with surface elevations and unique references to supplemental soil evaluations report forms in accordance with Sec. 19.12(e) below. Also show estimated highest ground water table depths and soil textures down to planned excavation depths, which may be on a separate map with sufficient references to the proposed site plan.
Note: Water table depths are needed to plan for dewatering activities for excavations and utility installations and to document compliance with water table separation requirements under sub. 19.11(e) below. The separate map may be at a different scale if needed. Soil textures help the project engineer and grading contractor plan for excavation, soil stockpiles, earthen berm compaction, pond lining, dust control, site stabilization and other grading related activities.
 - (xvi) Spill prevention and response procedures.
 - (xvii) Other items specified by the DPW as necessary to ensure compliance with this ordinance.

C. Supporting information for the plan reviewer only:

- (i) A narrative summary of the erosion control plan, briefly explaining the overall plan and, any unique information that led to the selection of BMPs and how the plan meets the guiding principles under sub. (b) above and the specific requirements under sub. (c) above;
Note: This information may be combined with a narrative for the stormwater management plan under Sec. 19.11(g) 12. The information may also be useful to the grading contractor and could be included in the construction notes on the plan map under sub. B (xiv) above.
- (ii) Summary of design data for any structural BMP such as sediment basins or sediment traps. A professional engineer, licensed in the State of Wisconsin, shall stamp and sign a statement approving all designs and certifying that they have read the requirements of this ordinance and that, to the best of their knowledge, the submitted plans comply with the requirements;
- (iii) Open channel design and stabilization data to support the selected BMPs for stabilization;
- (iv) Soil evaluation reports, in accordance with the standards in Sec. 19.12(e), with unique references and elevations that match the map under sub. B (xv) above.
- (v) Estimated time soil stockpiles will exist to support the selected BMPs for erosion control;
- (vi) Documentation that proposed utility locations and installation scheduling has been coordinated with the affected utility companies.
- (vii) Documentation of any other calculations used to demonstrate compliance with the performance standards in this section.